# Creel Census and Biological Investigation of North Henik, South Henik, Nueltin and Snowbird Lakes, Northwest Territories

M.M. Roberge, L. Dahlke and C.J. Read

Western Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

September 1984

**Canadian Data Report of Fisheries and Aquatic Sciences No. 469**

85-0155/

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Le titre exact paraît au haut du résumé de chaque rapport.

Canadian Data Report of
Fisheries and Aquatic Sciences 469

September 1984

# CREEL CENSUS AND BIOLOGICAL INVESTIGATION OF NORTH HENIK, SOUTH HENIK, NUELTIN AND SNOWBIRD LAKES, NORTHWEST TERRITORIES.

by

M. M. Roberge, L. Dahlke and C. J. Read

Western Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

This is the 65th Data Report
from the Western Region, Winnipeg

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Cat. no. FS 97-13/469E ISSN 0706-6465

Correct citation for this publication is:

Roberge, M.M., L. Dahlke, and C.J. Read. 1984. Creel census and biological investigation of North Henik, South Henik, Nueltin and Snowbird lakes, Northwest Territories. Can. Data Rep. Fish. Aquat. Sci. 469: vi + 89 p.

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## ABSTRACT

Roberge, M.M., L. Dahlke, and C.J. Read. 1984. Creel census and biological investigation of North Henik, South Henik, Nueltin and Snowbird lakes, Northwest Territories. Can. Data Rep. Fish. Aquat. Sci. 469: vi + 89 p.

A creel census, experimental gillnetting and biological sampling program was conducted on North Henik, South Henik, Nueltin and Snowbird lakes, Northwest Territories from 1980 to 1982. Sport fishing harvest and biological data are presented in this report. Harvest data include an estimation of total angler harvest, number of fish caught per angler-hour and harvest per angler. Biological data include length, weight, age and maturity characteristics of the fish species caught.

Key words: angling, catch/effort; catch composition; gillnetting; lake trout; lake whitefish; population structure; sport fishing; tagging.

## RESUME

Roberge, M.M., L. Dahlke, and C.J. Read. 1984. Creel census and biological investigation of North Henik, South Henik, Nueltin and Snowbird lakes, Northwest Territories. Can. Data Rep. Fish. Aquat. Sci. 469: vi + 89 p.

De 1980 à 1982, on a réalisé un programme de relevés des prises de pêche sportive, de pêche expérimentale aux filets maillants, et d'échantillonnage biologique, aux lacs Henik-Nord, Henik-Sud, Nueltin et Snowbird, dans les Territoires du Nord-Ouest. Le présent rapport présente les données sur la pêche sportive et les données biologiques. Les données sur les prises donnent une estimation des prises totales, le nombre de prises par heure-pêcheur et le nombre de prises par pêcheur sportif. Les données biologiques portent sur la longueur, le poids, l'âge et les caractéristiques de maturité des espèces de poisson prises.

Mots-clés: pêche à la ligne, prises/effort; composition des prises; pêche au filet maillant; touladi; composition de la population; pêche sportive; étiquetage.

## INTRODUCTION

In 1979, the Department of Fisheries and Oceans (DFO) began a five year program to evaluate sport fishing on the major lakes in the District of Keewatin, Northwest Territories: lake trout, Salvelinus namaycush (Walbaum) being the species of primary interest. This study was undertaken in response to increased sport fishing lodge development in the district and a proposal from the lodge owners to have the major sport fishing lakes in the area evaluated to determine if they could be designated as high quality fishing lakes. A "high quality fishery" for lake trout is one in which the population structure of lake trout is maintained such that large lake trout are available to anglers on a long-term basis. This is accomplished primarily by allowing very limited exploitation of the stock (i.e. reduced catch and possession limits).

The major lakes in the Keewatin under consideration are Kasba, North Henik, South Henik, Dubawnt, Nueltin, Snowbird and Mosquito lakes, all of which have existing or proposed sport fishing lodges (or outpost camps). It is intended that over the five year period these lakes will be surveyed to gain a better understanding of the sport fishing industry, to obtain lake trout population and harvest data and to assess the potential of these lakes to provide high quality fisheries for lake trout. Results of this program will culminate in a sport fishery management plan for these lakes.

The lakes surveyed and reported to date include Kasba Lake (Falk et al. 1982a) and Dubawnt Lake (Roberge 1984). This report presents information collected from 1980 to 1982 on the sport fishery harvest and biological status of the fish species from North Henik, South Henik, Nueltin and Snowbird lakes.

## STUDY AREA

### NORTH HENIK LAKE

North Henik Lake (61°43'N, 97°47'W) situated north of the treeline, 200 km northwest of Eskimo Point (Fig. 1), is part of the Tha-Anne River system. The lake has a maximum length of 28 km, a maximum width of 28 km, and a total surface area of 22 533 ha (Inven. Can. Freshwater Lakes, 1969). The topography surrounding North Henik Lake is typical tundra, a rolling treeless landscape. MacDonald and Fudge (1979) describe the geology, climate and other limnological conditions of the Keewatin District.

### SOUTH HENIK LAKE

South Henik Lake (61°27'N, 97°22'W) situated 180 km west of Eskimo Point (Fig. 1), is part of the McConnell-Tha-anne-Kognak River system. The lake has a maximum length of 59 km, a maximum width of 19 km, and a total surface area of 51 308 ha (Inven. Can. Freshwater Lakes, 1969). The topography of northern South Henik Lake is typical tundra while the southern portion of the lake is below the treeline in an area forested primarily by spruce. MacDonald and Fudge (1979) describe the environmental conditions of the area.

### NUELTIN LAKE

Nueltin Lake (60°00'N, 99°50'W), part of the Thlewiaza River system, is situated between the Northwest Territories and Manitoba border approximately 300 km south west of Eskimo Point (Fig. 1). The lake has a maximum length of 143 km, a maximum width of 48 km, and a total surface area of 227 866 ha (Inven. Can. Freshwater Lakes, 1969). Nueltin Lake lies south of the treeline which passes along the northern tip of the lake in an area forested primarily by birch and spruce. MacDonald and Fudge (1979) describe the environmental conditions of the area.

### SNOWBIRD LAKE

Snowbird Lake (60°40'N, 102°55'W) is situated in the southeastern District of Mackenzie just west of the Keewatin District boundary (Fig. 1). The lake, located approximately 475 km west of Eskimo Point, is part of the Kazan River system and lies below the treeline in an area forested by spruce. The maximum length of the lake is 40 km, the maximum width is 17 km and the total surface area is 50 481 ha (Inven. Can. Freshwater Lakes, 1969). MacDonald and Fudge (1979) describe the geology, climate and other limnological conditions of the area.

## MATERIALS AND METHODS

### CREEL CENSUS

A partial creel census was conducted by DFO personnel at Henik Lake Lodge from 9 July to 24 August, 1980. The creel census procedures and forms used were as described by Falk et al. (1973, 1974). Anglers were questioned at the end of each day as to the numbers of fish caught, released, retained and eaten for shore lunches by species as well as the hours spent fishing and the locations fished. Anglers who fished in the evenings were interviewed as they returned to camp, or the next day. When possible, the retained catch was sampled for length, weight, age (otolith/scale) and maturity.

During 1981, a voluntary creel census was initiated by DFO personnel and conducted by lodge personnel at Treeline Lodge and Narrows Camp, Nueltin Lake from 27 June to 8 August. Anglers were questioned as to the numbers of fish caught, released, retained (includes those fish eaten for shore lunches) by species as well as the hours spent fishing and the locations fished. A creel census was not conducted at the East Camp on Nueltin Lake.

A complete creel census was conducted by DFO personnel at Snowbird Lake Lodge from 25 July to 3 September, 1982. Creel census procedures and forms used were as described by Falk

et al. (1973, 1974). Anglers were questioned as to the numbers of fish caught, released, retained and eaten for shore lunches by species, hours spent fishing and the locations fished. When possible the retained catch was sampled for length, weight, age (otolith/scale) and maturity.

## EXPERIMENTAL GILLNETTING

Experimental gillnetting was carried out on North Henik, South Henik, Nueltin and Snowbird lakes using standard gangs composed of 47.5 m lengths each of 38, 64, 89, 114 and 139 mm (stretched measure) mesh nylon gillnets. Set locations are depicted in Fig. 3, 4, 6, and 8. The average set duration was 24 hours. Catches were recorded by site number, mesh size and species. Large, active and unharmed lake trout caught in the nets were measured for fork length ±1 mm), tagged and released.

## BIOLOGICAL SAMPLING

Fish were sampled from the anglers' creel and from the experimental gillnets for fork length (±1 mm), round weight (±50 g), aging structures (otoliths/scales), sex, and stage of maturity. Only lengths and weights were obtained from trophy fish (fish that would be mounted). Sex and the relative stage of maturity were determined by examination of the gonads and coded according to the stages described by Falk et al. (1982a,b).

Sagittal otoliths were taken from lake trout and burbot and stored dry in coin envelopes. In the laboratory, the otoliths were selectively ground on a carborundum stone and placed in a cleaning/clarifying solution of 3:1 benzyl-benzoate and methyl salicylate before being read under a binocular dissecting microscope (30x). A reflecting light source against a black background was used to emphasize the annual growth zones which were counted to determine the ages.

Scales were taken from cisco, lake whitefish, round whitefish, northern pike and Arctic grayling as described by Hatfield et al. (1972) and stored dry in coin envelopes. Catostomidae species were not aged. In the laboratory, scales were mounted between glass slides and the compieted annuli counted on the image produced by an Eberbach microprojector (x40).

Ovaries were removed from mature lake trout collected over the summer and placed in a 10% formalin solution. In the laboratory, the ovaries were weighed (wet weight ±1 g) and total number of ova from each ovary were counted after removal of the ovarian tissue. Mean ovum diameter was determined from an average of 20 ova taken from each of the anterior, middle and posterior portions of both ovaries (n=120).

Weight-length relationships were calculated using least squares regression analysis on logarithmic transformations of fork length and round weights. The relationship is described by the following equation:

$$\log_{10} W = a + b\ (\log_{10} L)$$

where W = weight in grams
L = fork length in millimeters

Relative condition factor (K), a measure of the plumpness of a fish, was determined using the formula:

$$K = \frac{W \times 10^5}{L^3}$$

where W = weight in grams
L = fork length in millimeters

## TAGGING

Lake trout were captured for tagging using small mesh gillnets. Gillnets, composed of varying lengths of 38 and 64 mm mesh, were set in shallow water and checked every 12 to 24 hours, weather permitting. Trout caught were placed in a measuring trough to obtain fork length. White Floy (spaghetti) tags containing a reference number and return address were attached using a Dennison tagging gun. Tags were inserted in the left side of the fish at the base of the dorsal fin and anchored between the pterygiophores. Fish were then returned to the water and released or, if necessary, held until they recuperated and then released.

## DATA ANALYSIS

The Statistical Analysis System (1979) was used to generate length, weight, sex, age and maturity tables.

## WATER TEMPERATURE

Water temperatures (°C) were recorded in North Henik and South Henik lakes every seven days during the course of the study. Temperatures were recorded at one metre intervals using a Yellow Spring temperature meter.

## ACKNOWLEDGMENTS

The authors wish to thank J. Cole, owner of Henik Lake Lodge, B. Bennett, owner of Treeline Lodge, Nueltin lake, and I. Schalwig, owner of Snowbird Lake Lodge and their staff for their cooperation and assistance in the data collection. Assistance in the field was provided by T. Davidson, D. Jessiman, B. Dunn, B. O'Connor and R. Sauvlet. Figures were prepared by Graphics Services, Freshwater Institute. S. Ahlgren typed the final report. A.H. Kristofferson, E. Gyselman and R. Wickstrom provided critical comments and useful suggestions and reviewed the report for publication.

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Table 1. Summary of information pertaining to lodge operation and creel census survey at North Henik and South Henik lakes, 1980.

| Lodge Operation | | | | | Creel Census | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Period | Duration (days) | No. of Guests | | Angler-days | Period | Duration (days) | | No. Anglers | Angler-days | Angler-hours |
| | | Calculated | License Sales[1] | | | Total | Censused | | | |
| 5 July<br>6 September | 64 | 96 | 168 | 436[2] | 9 July<br>24 August | 47 | 47 | 66 | 300 | 1 397 |

[1] Provided by Dept. Renewable Resource, Government of Northwest Territories.
[2] Estimated from number anglers interviewed during creel census.

Table 2. Observed catch, effort and catch/effort statistics of anglers during the creel census survey at North Henik and South Henik lakes and the Henik River, 1980.

| Location | Species | Catch | | Angler effort | | Fish per angler | | Fish per angler-day | | Fish per angler-hour | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. | Wt(Kg) | days | hours | No. | Wt(kg) | No. | Wt(kg) | No. | Wt(kg) |
| North Henik Lake | lake trout | 1 793 | 3 020 | 217 | 1 144.0 | NA | NA | 8.3 | 23.1 | 1.6 | 4.4 |
| South Henik Lake | lake trout | 246 | 689 | 38 | 162.0 | NA | NA | 6.5 | 10.4 | 1.5 | 4.1 |
| Henik River | lake trout | 58 | - | 45 | 91.0 | NA | NA | 1.4 | - | 0.6 | - |
| | Arctic grayling | 14 | - | | | | | 0.3 | - | 0.2 | - |
| Henik lakes | lake trout | 2 097 | 5 877 | 300 | 1 397.0 | 31.8 | 89.1 | 7.0 | 19.6 | 1.5 | 4.2 |
| | Arctic grayling | 14 | - | - | - | 0.2 | - | <0.1 | - | <0.1 | - |

NA = Not available; individual anglers not specified by lake fished.

Table 3. Summary of harvest statistics for North Henik and South Henik lakes, 1980.

| Location | Species | Census Harvest[1] | | Total Harvest[2] | | Harvest per Hectare fished | | Harvest per Hectare available | | Harvest per Angler | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. | Wt(kg) | No. | Wt(kg) | No. | Wt(kg) | No. | Wt(kg) | No. | Wt(kg) |
| North Henik Lake | lake trout | 317 | 888 | 611 | 1 711 | 0.18 | 0.50 | 0.03 | 0.08 | 6.36 | 17.82 |
| South Henik Lake | lake trout | 46 | 129 | 87 | 243 | 0.08 | 0.22 | <0.01 | <0.01 | 0.91 | 2.53 |
| Henik River | lake trout | 0 | - | 6 | 17 | - | - | - | - | 0.06 | 0.18 |
| | Arctic grayling | 0 | - | 1 | - | - | - | <0.01 | - | 0.01 | - |
| Henik lakes | lake trout[3] | 363 | 1 016 | 704 | 1 972 | 0.16 | 0.44 | 0.01 | 0.03 | 7.33 | 20.54 |
| | Arctic grayling | 0 | - | 1 | - | - | - | <0.01 | - | 0.01 | - |

[1] Includes fish retained and shore lunches.
[2] Includes fish retained, shore lunches and release mortality (7%).
[3] Mean weight = 2.8 kg.

Table 4. Biological data by length interval for angled lake trout from North Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT |
| 475 | 2 | 493 | 1275 | 35 | 1.07 | 100 | - | - | - | - | - | - | 2 | 493 | 1275 | 35 | 1.07 | 100 |
| 500 | 3 | 512 | 1350 | 132 | 1.01 | 67 | - | - | - | - | - | - | 3 | 512 | 1350 | 132 | 1.01 | 67 |
| 525 | 1 | 528 | 1575 | - | 1.07 | 100 | 1 | 531 | 1600 | - | 1.07 | 100 | 2 | 530 | 1588 | 18 | 1.07 | 100 |
| 550 | 5 | 563 | 1840 | 167 | 1.03 | 100 | 1 | 562 | 1800 | - | 1.01 | 0 | 6 | 563 | 1833 | 151 | 1.03 | 83 |
| 575 | 6 | 590 | 2238 | 282 | 1.09 | 83 | 6 | 593 | 2058 | 128 | 0.99 | 100 | 12 | 591 | 2148 | 229 | 1.04 | 92 |
| 600 | 5 | 617 | 2456 | 285 | 1.04 | 100 | 3 | 613 | 2358 | 166 | 1.03 | 100 | 8 | 616 | 2419 | 238 | 1.04 | 100 |
| 625 | 5 | 641 | 2740 | 258 | 1.04 | 100 | 7 | 641 | 2646 | 329 | 1.00 | 100 | 12 | 641 | 2685 | 292 | 1.02 | 100 |
| 650 | 2 | 659 | 3000 | 71 | 1.05 | 100 | 6 | 663 | 3192 | 464 | 1.10 | 100 | 8 | 662 | 3144 | 403 | 1.08 | 100 |
| 675 | 5 | 687 | 3255 | 155 | 1.00 | 100 | 4 | 680 | 3250 | 418 | 1.03 | 100 | 9 | 684 | 3253 | 279 | 1.02 | 100 |
| 700 | 6 | 712 | 3533 | 382 | 0.98 | 100 | 5 | 709 | 4010 | 347 | 1.12 | 100 | 11 | 710 | 3750 | 428 | 1.04 | 100 |
| 725 | 1 | 744 | 4650 | - | 1.13 | 100 | 3 | 736 | 4075 | 222 | 1.02 | 100 | 4 | 738 | 4219 | 340 | 1.05 | 100 |
| 775 | 1 | 776 | 4400 | - | 0.94 | 100 | - | - | - | - | - | - | 1 | 776 | 4400 | - | 0.94 | 100 |
| 800 | 1 | 805 | 5550 | - | 1.06 | 100 | - | - | - | - | - | - | 1 | 805 | 5550 | - | 1.06 | 100 |
| TOTAL | 43 | | | | | | 36 | | | | | | 79 | | | | | |
| MEAN | | 629 | 2671 | 960 | 1.03 | | | 651 | 2938 | 805 | 1.04 | | | 639 | 2793 | 897 | 1.04 | |

Table 5. Biological data by age group for angled lake trout from North Henik Lake, 1980.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 1 | 498 | - | 1300 | - | 1.05 | 100 | - | - | - | - | - | - | - | 1 | 498 | - | 1300 | - | 1.05 | 100 |
| 14 | 1 | 519 | - | 1300 | - | 0.93 | 0 | - | - | - | - | - | - | - | 1 | 519 | - | 1300 | - | 0.93 | 0 |
| 15 | 2 | 580 | 22.6 | 1850 | 0 | 0.95 | 100 | 1 | 562 | - | 1800 | - | 1.01 | 0 | 3 | 574 | 19.1 | 1833 | 29 | 0.97 | 67 |
| 16 | 1 | 528 | - | 1575 | - | 1.07 | 100 | 1 | 644 | - | 3000 | - | 1.12 | 100 | 2 | 586 | 82.0 | 2288 | 1008 | 1.10 | 100 |
| 17 | 1 | 516 | - | 1500 | - | 1.09 | 100 | 2 | 600 | 14.8 | 2138 | 194 | 0.99 | 100 | 3 | 572 | 49.3 | 1925 | 393 | 1.02 | 100 |
| 18 | 2 | 553 | 92.6 | 1700 | 636 | 1.00 | 100 | - | - | - | - | - | - | - | 2 | 553 | 92.6 | 1700 | 636 | 1.00 | 100 |
| 19 | 2 | 573 | 26.2 | 2088 | 336 | 1.11 | 100 | 6 | 604 | 51.4 | 2325 | 783 | 1.03 | 100 | 8 | 596 | 46.8 | 2266 | 683 | 1.05 | 100 |
| 20 | 1 | 501 | - | 1250 | - | 0.99 | 100 | - | - | - | - | - | - | - | 1 | 501 | - | 1250 | - | 0.99 | 100 |
| 21 | 4 | 638 | 58.5 | 2600 | 890 | 0.97 | 100 | 2 | 590 | 2.8 | 2050 | 212 | 1.00 | 100 | 6 | 622 | 51.6 | 2417 | 751 | 0.98 | 100 |
| 22 | 1 | 681 | - | 3200 | - | 1.01 | 100 | 3 | 686 | 40.6 | 3442 | 898 | 1.05 | 100 | 4 | 685 | 33.3 | 3381 | 743 | 1.04 | 100 |
| 23 | 2 | 641 | 63.6 | 2825 | 955 | 1.05 | 50 | 1 | 615 | - | 2550 | - | 1.10 | 100 | 3 | 632 | 47.4 | 2733 | 693 | 1.07 | 67 |
| 24 | 4 | 641 | 46.1 | 2658 | 296 | 1.02 | 100 | - | - | - | - | - | - | - | 4 | 641 | 46.1 | 2658 | 296 | 1.02 | 100 |
| 25 | 3 | 622 | 84.0 | 2800 | 964 | 1.14 | 100 | 2 | 660 | 13.4 | 3250 | 424 | 1.14 | 100 | 5 | 637 | 63.2 | 2980 | 755 | 1.14 | 100 |
| 26 | 1 | 615 | - | 2400 | - | 1.03 | 100 | 4 | 675 | 47.5 | 3125 | 659 | 1.01 | 100 | 5 | 663 | 49.2 | 2980 | 656 | 1.01 | 100 |
| 27 | 2 | 669 | 37.5 | 2950 | 212 | 0.99 | 100 | 1 | 675 | - | 2900 | - | 0.94 | 100 | 3 | 671 | 26.8 | 2933 | 153 | 0.97 | 100 |
| 28 | - | - | - | - | - | - | - | 1 | 668 | - | 2800 | - | 0.94 | 100 | 1 | 668 | - | 2800 | - | 0.94 | 100 |
| 29 | 3 | 679 | 109.7 | 3133 | 1329 | 0.96 | 100 | 1 | 705 | - | 4100 | - | 1.17 | 100 | 4 | 686 | 90.5 | 3375 | 1188 | 1.01 | 100 |
| 30 | 1 | 708 | - | 3650 | - | 1.03 | 100 | 1 | 678 | - | 3200 | - | 1.03 | 100 | 2 | 693 | 21.2 | 3425 | 318 | 1.03 | 100 |
| 31 | 1 | 580 | - | 2050 | - | 1.05 | 100 | 3 | 674 | 55.1 | 3042 | 1139 | 0.96 | 100 | 4 | 650 | 64.9 | 2794 | 1054 | 0.99 | 100 |
| 32 | 2 | 703 | 24.7 | 3438 | 371 | 0.99 | 100 | 3 | 685 | 45.4 | 3633 | 802 | 1.12 | 100 | 5 | 692 | 35.6 | 3555 | 606 | 1.07 | 100 |
| 33 | 1 | 643 | - | 3050 | - | 1.15 | 100 | 1 | 668 | - | 3700 | - | 1.24 | 100 | 2 | 656 | 17.7 | 3375 | 460 | 1.19 | 100 |
| 34 | - | - | - | - | - | - | - | 2 | 691 | 52.3 | 3250 | 919 | 0.97 | 100 | 2 | 691 | 52.3 | 3250 | 919 | 0.97 | 100 |
| 35 | 1 | 646 | - | 2900 | - | 1.08 | 100 | - | - | - | - | - | - | - | 1 | 646 | - | 2900 | - | 1.08 | 100 |
| 36 | 2 | 672 | 23.3 | 3125 | 247 | 1.03 | 100 | - | - | - | - | - | - | - | 2 | 672 | 23.3 | 3125 | 247 | 1.03 | 100 |
| 37 | 1 | 598 | - | 2650 | - | 1.24 | 100 | - | - | - | - | - | - | - | 1 | 598 | - | 2650 | - | 1.24 | 100 |
| 38 | 1 | 663 | - | 3050 | - | 1.05 | 100 | - | - | - | - | - | - | - | 1 | 663 | - | 3050 | - | 1.05 | 100 |
| 42 | 1 | 805 | - | 5550 | - | 1.06 | 100 | - | - | - | - | - | - | - | 1 | 805 | - | 5550 | - | 1.06 | 100 |
| TOTAL | 42 | | | | | | | 35 | | | | | | | 77 | | | | | | |
| MEAN | | 626 | 76 | 2624 | 920 | 1.03 | | | 650 | 51.9 | 2921 | 810 | 1.04 | | | 637 | 66.5 | 2759 | 879 | 1.03 | |
| MEAN AGE | 25.0 | | | | | | | | | | | | | | | | | | | | |

Table 6. Catch and catch per unit effort (CPE) data for fish caught by experimental gillnets from North Henik Lake, 1980.

| | | Mesh Size | | | | | Total | |
|---|---|---|---|---|---|---|---|---|
| | | 1.5 (38) | 2.5 (64) | 3.5 (89) | 4.5 (114) | 5.5 (139) (in) (mm) | Catch (kg) | CPE[1] |
| Lake trout | No. | 88 | 68 | 88 | 75 | 30 | 349 | 11.52 |
| | % | 25.2 | 19.5 | 25.2 | 21.5 | 8.6 | 74.9 | |
| Lake whitefish | No. | - | 5 | 11 | 9 | 10 | 35 | 1.15 |
| | % | - | 14.3 | 31.4 | 25.7 | 28.6 | 7.5 | |
| Round whitefish | No. | 7 | 4 | - | - | - | 11 | 0.36 |
| | % | 63.6 | 11.4 | - | - | - | 2.4 | |
| Cisco | No. | 23 | - | - | - | - | 23 | 0.76 |
| | % | 100.0 | - | - | - | - | 4.9 | |
| Longnose sucker | No. | 39 | 3 | 1 | 1 | - | 44 | 1.45 |
| | % | 88.6 | 6.8 | 2.3 | 2.3 | - | 9.4 | |
| Northern Pike | No. | - | 1 | - | - | - | 1 | 0.03 |
| | % | - | 100.0 | - | - | - | 0.2 | |
| Burbot | No. | 2 | - | - | - | - | 2 | 0.03 |
| | % | 100.0 | - | - | - | - | 0.2 | |
| Arctic grayling | No. | 1 | - | - | - | - | 1 | 0.03 |
| | % | 100.0 | - | - | - | - | 0.2 | |
| Total | No. | 159 | 81 | 100 | 85 | 40 | 466 | 15.38 |
| | % | 34.1 | 17.4 | 21.5 | 18.2 | 8.6 | | |

[1] No. fish caught/100 m gillnet/24 hours.

Table 7. Biological data by length interval for lake trout caught by experimental nets from North Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT |
| 150 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| 175 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 166 | 50 | - | 1.09 | - |
| 200 | 3 | 208 | 58 | 38 | 0.65 | 0 | - | - | - | - | - | - | 1 | 183 | 50 | - | 0.82 | - |
| 225 | 5 | 236 | 89 | 52 | 0.70 | 0 | 2 | 237 | 155 | 134 | 1.13 | 0 | 3 | 208 | 58 | 38 | 0.65 | 0 |
| 250 | 1 | 267 | 175 | - | 0.92 | 0 | 1 | 262 | 150 | - | 0.83 | 0 | 7 | 236 | 108 | 76 | 0.82 | 0 |
| 275 | 2 | 287 | 275 | 35 | 1.18 | 0 | - | - | - | - | - | - | 2 | 265 | 163 | 18 | 0.88 | 0 |
| 300 | 5 | 309 | 300 | 71 | 1.02 | 0 | 2 | 314 | 275 | 35 | 0.89 | 0 | 2 | 287 | 275 | 35 | 1.18 | 0 |
| 325 | 1 | 328 | 350 | - | 0.99 | 0 | 1 | 334 | 300 | - | 0.81 | 0 | 7 | 310 | 293 | 61 | 0.98 | 0 |
| 350 | 2 | 358 | 500 | 0 | 1.09 | 0 | 1 | 374 | 550 | - | 1.05 | 0 | 2 | 331 | 325 | 35 | 0.90 | 0 |
| 375 | 4 | 384 | 638 | 48 | 1.13 | 0 | 1 | 394 | 650 | - | 1.06 | 0 | 3 | 363 | 517 | 29 | 1.08 | 0 |
| 400 | 8 | 410 | 725 | 44 | 1.06 | 0 | 3 | 412 | 750 | 50 | 1.07 | 0 | 5 | 386 | 640 | 42 | 1.12 | 0 |
| 425 | 7 | 440 | 861 | 64 | 1.01 | 0 | 4 | 444 | 925 | 65 | 1.06 | 0 | 11 | 410 | 732 | 45 | 1.06 | 0 |
| 450 | 1 | 458 | 1000 | - | 1.04 | 0 | 1 | 471 | 1000 | - | 0.96 | 0 | 11 | 441 | 884 | 69 | 1.03 | 0 |
| 475 | 4 | 490 | 1213 | 48 | 1.03 | 0 | 3 | 490 | 1500 | 700 | 1.28 | 33 | 2 | 465 | 1000 | 0 | 1.00 | 0 |
| 500 | 10 | 510 | 1472 | 229 | 1.11 | 60 | 4 | 508 | 1300 | 158 | 0.99 | 50 | 7 | 490 | 1336 | 434 | 1.14 | 14 |
| 525 | 15 | 540 | 1562 | 272 | 1.00 | 80 | 3 | 538 | 1642 | 101 | 1.05 | 100 | 14 | 509 | 1423 | 221 | 1.08 | 57 |
| 550 | 12 | 559 | 1825 | 150 | 1.04 | 67 | 7 | 565 | 1721 | 180 | 0.96 | 86 | 18 | 539 | 1575 | 251 | 1.01 | 83 |
| 575 | 13 | 587 | 2123 | 255 | 1.05 | 85 | 12 | 584 | 1990 | 379 | 1.00 | 92 | 19 | 561 | 1787 | 165 | 1.01 | 74 |
| 600 | 10 | 612 | 2298 | 400 | 1.01 | 80 | 9 | 610 | 2128 | 349 | 0.94 | 78 | 25 | 585 | 2059 | 321 | 1.03 | 88 |
| 625 | 6 | 640 | 2358 | 269 | 0.90 | 67 | 8 | 636 | 2666 | 152 | 1.04 | 100 | 19 | 611 | 2217 | 376 | 0.97 | 79 |
| 650 | 8 | 662 | 3088 | 210 | 1.07 | 100 | 4 | 671 | 3088 | 497 | 1.02 | 100 | 14 | 638 | 2534 | 255 | 0.98 | 86 |
| 675 | 4 | 688 | 3475 | 150 | 1.07 | 100 | 5 | 685 | 3135 | 510 | 0.97 | 100 | 13 | 665 | 3131 | 335 | 1.07 | 100 |
| 700 | 6 | 712 | 3217 | 1508 | 0.89 | 100 | 4 | 718 | 4119 | 419 | 1.12 | 100 | 10 | 685 | 3338 | 422 | 1.04 | 100 |
| 725 | 2 | 738 | 4075 | 35 | 1.01 | 100 | 1 | 742 | 4100 | - | 1.00 | 100 | 11 | 713 | 3593 | 1178 | 0.99 | 100 |
| 750 | 2 | 768 | 5303 | 110 | 1.17 | 100 | 1 | 768 | 4950 | - | 1.09 | 100 | 3 | 739 | 4083 | 29 | 1.01 | 100 |
| 775 | - | - | - | - | - | - | 1 | 778 | 4450 | - | 0.94 | 100 | 3 | 768 | 5185 | 218 | 1.15 | 100 |
| 800 | 1 | 808 | 6050 | - | 1.15 | 100 | - | - | - | - | - | - | 1 | 778 | 4450 | - | 0.94 | 100 |
| 825 | 1 | 825 | 7000 | - | 1.25 | 100 | - | - | - | - | - | - | 1 | 808 | 6050 | - | 1.15 | 100 |
| | | | | | | | | | | | | | 1 | 825 | 7000 | - | 1.25 | 100 |
| TOTAL | 133 | | | | | | 78 | | | | | | 216 | | | | | |
| MEAN | | 526 | 1796 | 1264 | 1.01 | | | 562 | 2032 | 1112 | 1.01 | | | 538 | 1892 | 1231 | 1.02 | |

Table 8. Biological data by age group for lake trout caught by experimental nets from North Henik Lake, 1980.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 2 | 229 | 24.0 | 50 | 0 | 0.43 | 0 | 1 | 231 | - | 60 | - | 0.49 | 0 | 3 | 230 | 17.0 | 53 | 6 | 0.45 | 0 |
| 6 | 6 | 231 | 23.5 | 87 | 52 | 0.68 | 0 | 1 | 262 | - | 150 | - | 0.83 | 0 | 7 | 235 | 24.5 | 96 | 53 | 0.70 | 0 |
| 7 | 2 | 263 | 46.7 | 213 | 53 | 1.20 | 0 | 1 | 242 | - | 250 | - | 1.76 | 0 | 3 | 256 | 35.2 | 225 | 43 | 1.39 | 0 |
| 8 | 5 | 319 | 23.6 | 350 | 106 | 1.07 | 0 | - | - | - | - | - | - | - | 5 | 319 | 23.6 | 350 | 106 | 1.07 | 0 |
| 9 | 3 | 355 | 46.0 | 483 | 225 | 1.02 | 0 | 2 | 322 | 17.7 | 275 | 35 | 0.83 | 0 | 5 | 342 | 38.4 | 400 | 197 | 0.94 | 0 |
| 10 | 4 | 384 | 43.4 | 613 | 193 | 1.05 | 0 | 2 | 356 | 53.7 | 475 | 247 | 1.00 | 0 | 6 | 375 | 43.8 | 567 | 199 | 1.03 | 0 |
| 11 | 3 | 402 | 17.2 | 700 | 50 | 1.08 | 0 | 3 | 408 | 33.5 | 717 | 176 | 1.04 | 0 | 6 | 405 | 24.0 | 708 | 116 | 1.06 | 0 |
| 12 | 3 | 427 | 18.5 | 842 | 52 | 1.09 | 0 | 1 | 422 | - | 800 | - | 1.06 | 0 | 4 | 426 | 15.3 | 831 | 47 | 1.08 | 0 |
| 13 | 8 | 441 | 54.0 | 909 | 329 | 1.03 | 13 | 1 | 406 | - | 750 | - | 1.12 | 0 | 9 | 437 | 51.8 | 892 | 312 | 1.04 | 11 |
| 14 | 8 | 504 | 39.6 | 1331 | 324 | 1.02 | 38 | 3 | 483 | 33.7 | 1550 | 673 | 1.36 | 33 | 11 | 498 | 37.6 | 1391 | 418 | 1.12 | 36 |
| 15 | 5 | 494 | 62.0 | 1325 | 541 | 1.05 | 20 | 4 | 481 | 34.7 | 1050 | 158 | 0.94 | 0 | 9 | 488 | 49.1 | 1203 | 421 | 1.00 | 11 |
| 16 | 5 | 518 | 24.7 | 1523 | 196 | 1.09 | 40 | 1 | 448 | - | 950 | - | 1.06 | 0 | 6 | 506 | 36.0 | 1428 | 292 | 1.09 | 33 |
| 17 | 2 | 544 | 26.2 | 1675 | 106 | 1.06 | 100 | 3 | 552 | 45.4 | 2143 | 666 | 1.25 | 67 | 5 | 549 | 35.0 | 1956 | 539 | 1.17 | 80 |
| 18 | 3 | 552 | 38.5 | 1467 | 751 | 0.85 | 67 | 1 | 605 | - | 2350 | - | 1.06 | 100 | 4 | 566 | 41.0 | 1688 | 755 | 0.91 | 75 |
| 19 | 2 | 514 | 4.2 | 1476 | 36 | 1.09 | 100 | 3 | 623 | 52.7 | 2633 | 850 | 1.06 | 67 | 5 | 579 | 70.4 | 2170 | 874 | 1.07 | 80 |
| 20 | 4 | 587 | 45.5 | 2288 | 536 | 1.13 | 25 | 4 | 632 | 104.8 | 2725 | 1243 | 1.04 | 100 | 8 | 609 | 78.6 | 2506 | 916 | 1.08 | 63 |
| 21 | 4 | 569 | 35.8 | 1988 | 405 | 0.97 | 100 | 4 | 597 | 50.8 | 2250 | 640 | 1.03 | 100 | 8 | 593 | 40.9 | 2119 | 515 | 1.00 | 100 |
| 22 | 4 | 573 | 37.4 | 2125 | 357 | 1.13 | 75 | 2 | 603 | 18.4 | 2150 | 212 | 0.98 | 100 | 6 | 583 | 33.8 | 2133 | 293 | 1.08 | 83 |
| 23 | - | - | - | - | - | - | - | 2 | 645 | 59.4 | 2538 | 407 | 0.95 | 100 | 2 | 645 | 59.4 | 2538 | 407 | 0.95 | 100 |
| 24 | 3 | 606 | 90.6 | 2625 | 1397 | 1.11 | 100 | 3 | 593 | 25.4 | 2133 | 637 | 1.01 | 100 | 6 | 600 | 59.9 | 2379 | 1008 | 1.06 | 100 |
| 25 | 4 | 596 | 65.9 | 2081 | 1023 | 0.94 | 50 | 1 | 497 | - | 1000 | - | 0.81 | 0 | 5 | 576 | 72.1 | 1865 | 1009 | 0.92 | 40 |
| 26 | 7 | 620 | 57.4 | 2514 | 726 | 1.03 | 100 | 4 | 603 | 57.1 | 2038 | 917 | 0.89 | 100 | 11 | 614 | 55.1 | 2341 | 791 | 0.98 | 100 |
| 27 | 5 | 652 | 55.7 | 2690 | 895 | 0.95 | 80 | 2 | 601 | 7.8 | 2075 | 389 | 0.96 | 50 | 7 | 637 | 52.1 | 2514 | 806 | 0.95 | 71 |
| 28 | 4 | 549 | 47.1 | 1875 | 429 | 1.15 | 100 | 4 | 648 | 72.2 | 2981 | 1151 | 1.05 | 100 | 8 | 598 | 77.4 | 2428 | 998 | 1.10 | 100 |
| 29 | 3 | 582 | 35.5 | 1925 | 347 | 0.97 | 100 | 1 | 595 | - | 2150 | - | 1.02 | 100 | 4 | 586 | 29.7 | 1981 | 305 | 0.98 | 100 |
| 30 | 2 | 618 | 42.4 | 2050 | 354 | 0.87 | 100 | 2 | 626 | 14.1 | 2250 | 636 | 0.91 | 100 | 4 | 622 | 26.2 | 2150 | 436 | 0.89 | 100 |
| 31 | 5 | 602 | 50.4 | 2370 | 731 | 1.06 | 80 | 2 | 604 | 36.8 | 2000 | 566 | 0.89 | 100 | 7 | 603 | 43.8 | 2264 | 665 | 1.01 | 86 |
| 32 | 1 | 685 | - | 3400 | - | 1.06 | 100 | 4 | 602 | 44.2 | 2213 | 559 | 1.00 | 100 | 5 | 618 | 53.4 | 2450 | 719 | 1.01 | 100 |
| 33 | 1 | 638 | - | 2300 | - | 0.89 | 0 | 1 | 609 | - | 1700 | - | 0.75 | 0 | 2 | 624 | 20.5 | 2000 | 424 | 0.82 | 0 |
| 34 | 3 | 600 | 15.9 | 2367 | 153 | 1.10 | 100 | - | - | - | - | - | - | - | 3 | 600 | 15.9 | 2367 | 153 | 1.10 | 100 |
| 35 | 4 | 750 | 59.7 | 4831 | 1648 | 1.11 | 100 | 3 | 644 | 82.1 | 3100 | 1473 | 1.08 | 100 | 7 | 704 | 84.9 | 4089 | 1714 | 1.10 | 100 |
| 36 | 2 | 606 | 82.9 | 2375 | 955 | 1.04 | 100 | 2 | 592 | 75.7 | 2100 | 566 | 1.01 | 100 | 4 | 599 | 57.4 | 2238 | 660 | 1.02 | 100 |
| 37 | 2 | 598 | 47.4 | 2300 | 566 | 1.07 | 100 | 1 | 688 | - | 3400 | - | 1.04 | 100 | 3 | 628 | 62.1 | 2667 | 751 | 1.06 | 100 |
| 38 | 2 | 674 | 134.4 | 3690 | 2390 | 1.11 | 100 | 4 | 682 | 43.9 | 2913 | 809 | 0.91 | 100 | 5 | 679 | 69.1 | 3172 | 1302 | 0.98 | 100 |
| 39 | 4 | 681 | 61.1 | 2769 | 1843 | 0.89 | 100 | 1 | 718 | - | 4350 | - | 1.18 | 100 | 5 | 688 | 56.5 | 3085 | 1745 | 0.94 | 100 |
| 40 | 1 | 656 | - | 2700 | - | 0.96 | 100 | - | - | - | - | - | - | - | 1 | 656 | - | 2700 | - | 0.96 | 100 |
| 41 | 1 | 698 | - | 3600 | - | 1.06 | 100 | - | - | - | - | - | - | - | 1 | 698 | - | 3600 | - | 1.06 | 100 |
| 45 | 1 | 713 | - | 2750 | - | 0.76 | 100 | 1 | 718 | - | 3500 | - | 0.95 | 100 | 2 | 716 | 3.5 | 3125 | 530 | 0.85 | 100 |
| 47 | 1 | 738 | - | 4050 | - | 1.01 | 100 | - | - | - | - | - | - | - | 1 | 738 | - | 4050 | - | 1.01 | 100 |
| 48 | 1 | 808 | - | 6050 | - | 1.15 | 100 | - | - | - | - | - | - | - | 1 | 808 | - | 6050 | - | 1.15 | 100 |
| TOTAL | 130 | | | | | | | 75 | | | | | | | 205 | | | | | | |
| MEAN | | 528 | 139 | 1810 | 1271 | 1.01 | | | 560 | 120.0 | 2009 | 1077 | 1.01 | | | 540 | 132.8 | 1883 | 1205 | 1.01 | |
| MEAN AGE | 22.1 | | | | | | | | | | | | | | | | | | | | |

Table 9. Biological data by length interval for lake whitefish caught by experimental nets from North Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 270 | 1 | 278 | 250 | - | 1.16 | 0 | - | - | - | - | - | - | 1 | 278 | 250 | - | 1.16 | 0 |
| 360 | - | - | - | - | - | - | 1 | 365 | 600 | - | 1.23 | 0 | 1 | 365 | 600 | - | 1.23 | 0 |
| 370 | 1 | 374 | 800 | - | 1.53 | 100 | - | - | - | - | - | - | 1 | 374 | 800 | - | 1.53 | 100 |
| 390 | - | - | - | - | - | - | 1 | 397 | 850 | - | 1.36 | 0 | 1 | 397 | 850 | - | 1.36 | 0 |
| 430 | 1 | 433 | 1325 | - | 1.63 | 100 | - | - | - | - | - | - | 1 | 433 | 1325 | - | 1.63 | 100 |
| 460 | - | - | - | - | - | - | 1 | 466 | 1700 | - | 1.68 | 100 | 1 | 466 | 1700 | - | 1.68 | 100 |
| 470 | 1 | 472 | 1600 | - | 1.52 | 0 | 1 | 472 | 1600 | - | 1.52 | 0 | 1 | 472 | 1600 | - | 1.52 | 0 |
| 520 | 1 | 525 | 2450 | - | 1.69 | 100 | - | - | - | - | - | - | 1 | 525 | 2450 | - | 1.69 | 100 |
| 530 | 1 | 534 | 2300 | - | 1.51 | 100 | 1 | 538 | 2700 | - | 1.73 | 100 | 2 | 536 | 2500 | 283 | 1.62 | 100 |
| 540 | - | - | - | - | - | - | 1 | 544 | 2400 | - | 1.49 | 100 | 1 | 544 | 2400 | - | 1.49 | 100 |
| 550 | 3 | 556 | 2700 | 400 | 1.57 | 67 | 1 | 555 | 2700 | - | 1.58 | 0 | 3 | 556 | 2700 | 400 | 1.57 | 67 |
| 560 | 3 | 563 | 2833 | 115 | 1.59 | 100 | - | - | - | - | - | - | 3 | 563 | 2833 | 115 | 1.59 | 100 |
| 570 | 1 | 575 | 2400 | - | 1.26 | 100 | 2 | 571 | 3200 | 141 | 1.72 | 100 | 3 | 572 | 2933 | 473 | 1.57 | 100 |
| 580 | 3 | 585 | 3017 | 29 | 1.51 | 100 | 4 | 584 | 3175 | 171 | 1.60 | 100 | 7 | 584 | 3107 | 148 | 1.56 | 100 |
| 600 | 1 | 605 | 3400 | - | 1.54 | 100 | 1 | 605 | 3200 | - | 1.45 | 100 | 2 | 605 | 3300 | 141 | 1.49 | 100 |
| 610 | - | - | - | - | - | - | 1 | 619 | 3400 | - | 1.43 | 100 | 1 | 619 | 3400 | - | 1.43 | 100 |
| 620 | - | - | - | - | - | - | 2 | 622 | 3363 | 371 | 1.40 | 100 | 2 | 622 | 3363 | 371 | 1.40 | 100 |
| 630 | - | - | - | - | - | - | 1 | 636 | 4150 | - | 1.61 | 100 | 1 | 636 | 4150 | - | 1.61 | 100 |
| TOTAL | 17 | | | | | | 18 | | | | | | 33 | | | | | |
| MEAN | | 524 | 2363 | 876 | 1.52 | | | 551 | 2729 | 954 | 1.54 | | | 539 | 2576 | 935 | 1.53 | |

Table 10. Biological data by age group for lake whitefish caught by experimental nets from North Henik Lake, 1980.

| AGE (YR) | MALES N | LENGTH(MM) MEAN | LENGTH(MM) SD | WEIGHT(G) MEAN | WEIGHT(G) SD | K | % MAT | FEMALES N | LENGTH(MM) MEAN | LENGTH(MM) SD | WEIGHT(G) MEAN | WEIGHT(G) SD | K | % MAT | COMBINED N | LENGTH(MM) MEAN | LENGTH(MM) SD | WEIGHT(G) MEAN | WEIGHT(G) SD | K | % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 1 | 278 | - | 250 | - | 1.16 | 0 | - | - | - | - | - | - | - | 1 | 278 | - | 250 | - | 1.16 | 0 |
| 7 | - | - | - | - | - | - | - | 1 | 365 | - | 600 | - | 1.23 | 0 | 1 | 365 | - | 600 | - | 1.23 | 0 |
| 9 | 1 | 374 | - | 800 | - | 1.53 | 100 | 1 | 397 | - | 850 | - | 1.36 | 0 | 2 | 386 | 16.3 | 825 | 35 | 1.44 | 50 |
| 12 | 2 | 453 | 27.6 | 1463 | 194 | 1.58 | 50 | 2 | 505 | 46.7 | 2150 | 778 | 1.63 | 50 | 3 | 481 | 53.1 | 1875 | 728 | 1.63 | 67 |
| 15 | - | - | - | - | - | - | - | 2 | 525 | 82.7 | 2450 | 1061 | 1.65 | 100 | 2 | 525 | 82.7 | 2450 | 1061 | 1.65 | 100 |
| 16 | 1 | 582 | - | 3000 | - | 1.52 | 100 | 1 | 619 | - | 3400 | - | 1.43 | 100 | 2 | 601 | 26.2 | 3200 | 283 | 1.48 | 100 |
| 17 | 7 | 568 | 25.4 | 2764 | 397 | 1.50 | 100 | 2 | 609 | 38.2 | 3625 | 742 | 1.59 | 100 | 9 | 577 | 31.5 | 2956 | 575 | 1.52 | 100 |
| 18 | 1 | 555 | - | 2700 | - | 1.58 | 0 | 3 | 560 | 18.4 | 2833 | 513 | 1.60 | 67 | 3 | 560 | 18.4 | 2833 | 513 | 1.60 | 67 |
| 19 | 2 | 572 | 16.3 | 2875 | 247 | 1.54 | 100 | 5 | 591 | 21.8 | 3140 | 114 | 1.53 | 100 | 7 | 586 | 21.3 | 3064 | 189 | 1.53 | 100 |
| 21 | 1 | 558 | - | 3100 | - | 1.78 | 100 | - | - | - | - | - | - | - | 1 | 558 | - | 3100 | - | 1.78 | 100 |
| TOTAL | 16 | | | | | | | 17 | | | | | | | 31 | | | | | | |
| MEAN | | 523 | 90 | 2367 | 905 | 1.52 | | | 547 | 77.6 | 2676 | 956 | 1.54 | | | 537 | 85.3 | 2551 | 945 | 1.53 | |
| MEAN AGE | 15.8 | | | | | | | | | | | | | | | | | | | | |

Table 11. Biological data by length interval for round whitefish caught by experimental nets from North Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | WEIGHT(G) SD | K | % MAT | FEMALES N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | WEIGHT(G) SD | K | % MAT | COMBINED N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | WEIGHT(G) SD | K | % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200 | 1 | 200 | 50 | - | 0.63 | 0 | 1 | 201 | 40 | - | 0.49 | 0 | 2 | 201 | 45 | 7 | 0.56 | 0 |
| 240 | 1 | 248 | 200 | - | 1.31 | 0 | - | - | - | - | - | - | 1 | 248 | 200 | - | 1.31 | 0 |
| 270 | 1 | 272 | 200 | - | 0.99 | 0 | 1 | 273 | 200 | - | 0.98 | 100 | 2 | 273 | 200 | 0 | 0.99 | 50 |
| 280 | - | - | - | - | - | - | 1 | 281 | 200 | - | 0.90 | 100 | 1 | 281 | 200 | - | 0.90 | 100 |
| 290 | 1 | 293 | 300 | - | 1.19 | 0 | 1 | 296 | 200 | - | 0.77 | 100 | 2 | 295 | 250 | 71 | 0.98 | 50 |
| TOTAL | 4 | | | | | | 4 | | | | | | 8 | | | | | |
| MEAN | | 253 | 188 | 103 | 1.03 | | | 263 | 160 | 80 | 0.79 | | | 258 | 174 | 87 | 0.91 | |

Table 12. Biological data by age group for round whitefish caught by experimental nets from North Henik Lake, 1980.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | - | - | - | - | - | - | - | 3 | 252 | 44.1 | 147 | 92 | 0.79 | 67 | 3 | 252 | 44.1 | 147 | 92 | 0.79 | 67 |
| 6 | 2 | 260 | 17.0 | 200 | 0 | 1.15 | 0 | - | - | - | - | - | - | - | 2 | 260 | 17.0 | 200 | 0 | 1.15 | 0 |
| 7 | 1 | 293 | - | 300 | - | 1.19 | 0 | 1 | 296 | - | 200 | - | 0.77 | 100 | 2 | 295 | 2.1 | 250 | 71 | 0.98 | 50 |
| TOTAL | 3 | | | | | | | 4 | | | | | | | 7 | | | | | | |
| MEAN | | 271 | 23 | 233 | 58 | 1.17 | | | 263 | 42.3 | 160 | 80 | 0.79 | | | 266 | 32.9 | 191 | 76 | 0.95 | |
| MEAN AGE | 5.9 | | | | | | | | | | | | | | | | | | | | |

Table 13. Biological data by length interval for cisco caught by experimental nets from North Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 220 | - | - | - | - | - | - | 1 | 228 | 100 | - | 0.84 | 0 | 1 | 228 | 100 | - | 0.84 | 0 |
| 230 | 2 | 237 | 100 | 0 | 0.75 | 100 | 1 | 234 | 75 | - | 0.59 | 100 | 3 | 236 | 92 | 14 | 0.70 | 100 |
| 240 | 1 | 248 | 100 | - | 0.66 | 0 | 1 | 242 | 100 | - | 0.71 | 100 | 2 | 245 | 100 | 0 | 0.68 | 50 |
| 340 | - | - | - | - | - | - | 1 | 340 | 50 | - | 0.13 | 0 | 1 | 340 | 50 | - | 0.13 | 0 |
| TOTAL | 3 | | | | | | 4 | | | | | | 7 | | | | | |
| MEAN | | 241 | 100 | 0 | 0.72 | | | 261 | 81 | 24 | 0.57 | | | 252 | 89 | 20 | 0.63 | |

Table 14. Biological data by age group for cisco caught by experimental nets from North Henik Lake, 1980.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | - | - | - | - | - | - | - | 1 | 340 | - | 50 | - | 0.13 | 0 | 1 | 340 | - | 50 | - | 0.13 | 0 |
| 6 | - | - | - | - | - | - | - | 3 | 235 | 7.0 | 92 | 14 | 0.71 | 67 | 3 | 235 | 7.0 | 92 | 14 | 0.71 | 67 |
| 7 | 3 | 241 | 6.4 | 100 | 0 | 0.72 | 67 | - | - | - | - | - | - | - | 3 | 241 | 6.4 | 100 | 0 | 0.72 | 67 |
| TOTAL | 3 | | | | | | | 4 | | | | | | | 7 | | | | | | |
| MEAN | | 241 | 6.4 | 100 | 0 | 0.72 | | | 261 | 53.0 | 81 | 24 | 0.57 | | | 252 | 39.2 | 89 | 20 | 0.63 | |
| MEAN AGE | 6.3 | | | | | | | | | | | | | | | | | | | | |

Table 15. Biological data by length interval for longnose sucker caught by experimental nets from North Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 190 | 1 | 196 | 80 | - | 1.06 | 0 | - | - | - | - | - | - | 1 | 196 | 80 | - | 1.06 | 0 |
| TOTAL | 1 | | | | | | 0 | | | | | | 1 | | | | | |
| MEAN | | 196 | 80 | - | 1.06 | | | - | - | - | - | | | 196 | 80 | - | 1.06 | |

Table 16. Biological data by length interval for lake trout caught by tagging nets from North Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 175 | 1 | 196 | 25 | - | 0.33 | 0 | - | - | - | - | - | - | 1 | 196 | 25 | - | 0.33 | 0 |
| 325 | 2 | 339 | 375 | 35 | 0.96 | 0 | - | - | - | - | - | - | 3 | 334 | 375 | 35 | 0.96 | 0 |
| 375 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 385 | - | - | - | - |
| 450 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 461 | - | - | - | - |
| 475 | 2 | 490 | 1375 | 247 | 1.16 | 50 | - | - | - | - | - | - | 5 | 485 | 1375 | 247 | 1.16 | 50 |
| 500 | 2 | 516 | 1915 | 587 | 1.40 | 100 | 1 | 524 | 1550 | - | 1.08 | 100 | 8 | 516 | 1793 | 465 | 1.29 | 100 |
| 525 | 2 | 533 | 1490 | 226 | 0.98 | 100 | - | - | - | - | - | - | 14 | 536 | 1490 | 226 | 0.98 | 100 |
| 550 | 2 | 569 | 2465 | 757 | 1.35 | 100 | 1 | 564 | 2250 | - | 1.25 | 100 | 10 | 563 | 2393 | 549 | 1.32 | 100 |
| 575 | 2 | 579 | 2100 | 283 | 1.08 | 100 | - | - | - | - | - | - | 7 | 587 | 2100 | 283 | 1.08 | 100 |
| 600 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 616 | - | - | - | - |
| 625 | - | - | - | - | - | - | 2 | 631 | 2525 | 106 | 1.00 | 100 | 11 | 634 | 2525 | 106 | 1.00 | 100 |
| 650 | - | - | - | - | - | - | 1 | 655 | 3250 | - | 1.16 | 100 | 12 | 663 | 3250 | - | 1.16 | 100 |
| 675 | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 686 | - | - | - | - |
| 700 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 711 | - | - | - | - |
| 725 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 740 | - | - | - | - |
| 750 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 760 | - | - | - | - |
| 800 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 806 | - | - | - | - |
| 850 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 868 | - | - | - | - |
| 875 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 880 | - | - | - | - |
| 900 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 900 | - | - | - | - |
| TOTAL | 13 | | | | | | 5 | | | | | | 108 | | | | | |
| MEAN | | 480 | 1497 | 855 | 1.09 | | | 601 | 2420 | 614 | 1.10 | | | 610 | 1754 | 886 | 1.09 | |

Table 17. Biological data by age group for lake trout caught by tagging nets from North Henik Lake, 1980.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 5 | 1 | 196 | - | 25 | - | 0.33 | 0 | - | - | - | - | - | - | - | 1 | 196 | - | 25 | - | 0.33 | 0 |
| 6 | 1 | 334 | - | 350 | - | 0.94 | 0 | - | - | - | - | - | - | - | 1 | 334 | - | 350 | - | 0.94 | 0 |
| 9 | 1 | 344 | - | 400 | - | 0.98 | 0 | - | - | - | - | - | - | - | 1 | 344 | - | 400 | - | 0.98 | 0 |
| 15 | 2 | 499 | 24.0 | 1350 | 212 | 1.08 | 50 | - | - | - | - | - | - | - | 2 | 499 | 24.0 | 1350 | 212 | 1.08 | 50 |
| 16 | 2 | 547 | 44.5 | 2115 | 304 | 1.34 | 100 | - | - | - | - | - | - | - | 2 | 547 | 44.5 | 2115 | 304 | 1.34 | 100 |
| 17 | 1 | 498 | - | 1550 | - | 1.25 | 100 | - | - | - | - | - | - | - | 1 | 498 | - | 1550 | - | 1.25 | 100 |
| 18 | 1 | 535 | - | 1650 | - | 1.08 | 100 | - | - | - | - | - | - | - | 1 | 535 | - | 1650 | - | 1.08 | 100 |
| 19 | 1 | 565 | - | 3000 | - | 1.66 | 100 | 1 | 630 | - | 2450 | - | 0.98 | 100 | 2 | 598 | 46.0 | 2725 | 389 | 1.32 | 100 |
| 20 | 1 | 572 | - | 1930 | - | 1.03 | 100 | - | - | - | - | - | - | - | 1 | 572 | - | 1930 | - | 1.03 | 100 |
| 21 | - | - | - | - | - | - | - | 1 | 524 | - | 1550 | - | 1.08 | 100 | 1 | 524 | - | 1550 | - | 1.08 | 100 |
| 26 | - | - | - | - | - | - | - | 1 | 564 | - | 2250 | - | 1.25 | 100 | 1 | 564 | - | 2250 | - | 1.25 | 100 |
| 27 | 1 | 531 | - | 1330 | - | 0.89 | 100 | - | - | - | - | - | - | - | 1 | 531 | - | 1330 | - | 0.89 | 100 |
| 29 | - | - | - | - | - | - | - | 1 | 632 | - | 2600 | - | 1.03 | 100 | 1 | 632 | - | 2600 | - | 1.03 | 100 |
| 36 | 1 | 580 | - | 2300 | - | 1.18 | 100 | - | - | - | - | - | - | - | 1 | 580 | - | 2300 | - | 1.18 | 100 |
| TOTAL | 13 | | | | | | | 4 | | | | | | | 17 | | | | | | |
| MEAN | | 480 | 117 | 1497 | 855 | 1.09 | | | 588 | 52.8 | 2213 | 464 | 1.09 | | | 506 | 113.9 | 1666 | 829 | 1.09 | |
| MEAN AGE | 18.6 | | | | | | | | | | | | | | | | | | | | |

Table 18. Biological data by length interval for lake whitefish caught by tagging nets from North Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 540 | 1 | 545 | 2400 | - | 1.48 | 100 | - | - | - | - | - | - | 1 | 545 | 2400 | - | 1.48 | 100 |
| 560 | - | - | - | - | - | - | 1 | 565 | 3150 | - | 1.75 | 100 | 1 | 565 | 3150 | - | 1.75 | 100 |
| 590 | 1 | 598 | 3800 | - | 1.78 | 100 | - | - | - | - | - | - | 1 | 598 | 3800 | - | 1.78 | 100 |
| 600 | - | - | - | - | - | - | 1 | 605 | 3850 | - | 1.74 | 100 | 1 | 605 | 3850 | - | 1.74 | 100 |
| 610 | 1 | 612 | 3850 | - | 1.68 | 100 | - | - | - | - | - | - | 1 | 612 | 3850 | - | 1.68 | 100 |
| 630 | - | - | - | - | - | - | 1 | 630 | 3900 | - | 1.56 | 100 | 1 | 630 | 3900 | - | 1.56 | 100 |
| 660 | - | - | - | - | - | - | 1 | 662 | 4375 | - | 1.51 | 100 | 1 | 662 | 4375 | - | 1.51 | 100 |
| TOTAL | 3 | | | | | | 4 | | | | | | 7 | | | | | |
| MEAN | | 585 | 3350 | 823 | 1.65 | | | 616 | 3819 | 505 | 1.64 | | | 602 | 3618 | 645 | 1.64 | |



Table 19. Biological data by age group for lake whitefish caught by tagging nets from North Henik Lake, 1980.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 15 | 1 | 612 | - | 3850 | - | 1.68 | 100 | - | - | - | - | - | - | - | 1 | 612 | - | 3850 | - | 1.68 | 100 |
| 16 | 2 | 572 | 37.5 | 3100 | 990 | 1.63 | 100 | - | - | - | - | - | - | - | 2 | 572 | 37.5 | 3100 | 990 | 1.63 | 100 |
| 17 | - | - | - | - | - | - | - | 2 | 598 | 46.0 | 3525 | 530 | 1.65 | 100 | 2 | 598 | 46.0 | 3525 | 530 | 1.65 | 100 |
| 18 | - | - | - | - | - | - | - | 1 | 662 | - | 4375 | - | 1.51 | 100 | 1 | 662 | - | 4375 | - | 1.51 | 100 |
| TOTAL | 3 | | | | | | | 3 | | | | | | | 6 | | | | | | |
| MEAN | | 585 | 35 | 3350 | 823 | 1.65 | | | 619 | 49.4 | 3808 | 618 | 1.60 | | | 602 | 42.7 | 3579 | 698 | 1.63 | |
| MEAN AGE | 16.5 | | | | | | | | | | | | | | | | | | | | |

Table 20. Biological data by length interval for lake cisco caught by tagging nets from North Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 200 | 1 | 202 | 80 | - | 0.97 | 0 | 3 | 204 | 37 | 20 | 0.43 | 0 | 4 | 204 | 48 | 27 | 0.56 | 0 |
| 210 | - | - | - | - | - | - | 1 | 218 | 100 | - | 0.97 | 0 | 1 | 218 | 100 | - | 0.97 | 0 |
| 220 | 1 | 226 | 100 | - | 0.87 | 100 | 4 | 226 | 79 | 40 | 0.69 | 50 | 5 | 226 | 83 | 36 | 0.72 | 60 |
| 230 | 7 | 236 | 89 | 23 | 0.68 | 100 | 9 | 234 | 106 | 43 | 0.84 | 100 | 16 | 235 | 98 | 36 | 0.77 | 100 |
| 240 | 6 | 244 | 83 | 26 | 0.57 | 100 | 12 | 246 | 105 | 34 | 0.71 | 100 | 18 | 245 | 93 | 32 | 0.66 | 100 |
| 250 | 5 | 254 | 105 | 37 | 0.64 | 100 | 3 | 257 | 150 | 50 | 0.88 | 100 | 8 | 255 | 122 | 45 | 0.73 | 100 |
| 260 | - | - | - | - | - | - | 1 | 265 | 60 | - | 0.32 | 100 | 1 | 265 | 60 | - | 0.32 | 100 |
| 270 | 1 | 273 | 200 | - | 0.98 | 100 | 2 | 271 | 200 | 71 | 1.01 | 100 | 3 | 271 | 200 | 50 | 1.00 | 100 |
| 290 | 1 | 291 | 175 | - | 0.71 | 100 | - | - | - | - | - | - | 1 | 291 | 175 | - | 0.71 | 100 |
| TOTAL | 22 | | | | | | 35 | | | | | | 57 | | | | | |
| MEAN | | 245 | 100 | 38 | 0.68 | | | 239 | 104 | 50 | 0.74 | | | 241 | 103 | 46 | 0.72 | |

Table 21. Biological data by age group for lake cisco caught by tagging nets from North Henik Lake, 1980.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 4 | 1 | 202 | - | 80 | - | 0.97 | 0 | 1 | 226 | - | 50 | - | 0.43 | 0 | 2 | 214 | 17.0 | 65 | 21 | 0.70 | 0 |
| 5 | - | - | - | - | - | - | - | 2 | 203 | 2.8 | 26 | 1 | 0.30 | 0 | 2 | 203 | 2.8 | 26 | 1 | 0.30 | 0 |
| 6 | 12 | 249 | 18.2 | 106 | 48 | 0.67 | 100 | 19 | 240 | 15.6 | 98 | 36 | 0.71 | 89 | 31 | 244 | 17.0 | 101 | 40 | 0.69 | 94 |
| 7 | 9 | 243 | 7.5 | 94 | 24 | 0.66 | 100 | 13 | 244 | 12.5 | 130 | 56 | 0.88 | 92 | 22 | 243 | 10.5 | 115 | 48 | 0.79 | 95 |
| TOTAL | 22 | | | | | | | 35 | | | | | | | 57 | | | | | | |
| MEAN | | 245 | 17 | 100 | 38 | 0.68 | | | 239 | 16.6 | 104 | 50 | 0.74 | | | 241 | 16.9 | 103 | 46 | 0.72 | |
| MEAN AGE | 6.3 | | | | | | | | | | | | | | | | | | | | |

Table 22. Biological data by length interval for burbot caught by tagging nets from North Henik Lake, 1980.

| LENGTH INTERVAL (MM) | NO. | PERCENT | MEAN FORK LENGTH(MM) | ROUND WEIGHT(G) MEAN | ROUND WEIGHT(G) SD |
|---|---|---|---|---|---|
| 220 | 1 | 100 | 221 | 50 | - |
| TOTAL | 1 | | | | |
| MEAN | | | 221 | 50 | - |

Table 23. Biological data by age group for burbot caught by tagging nets from North Henik Lake, 1980.

| AGE (YR) | NO. | PERCENT | FORK LENGTH(MM) MEAN | FORK LENGTH(MM) SD | ROUND WEIGHT(G) MEAN | ROUND WEIGHT(G) SD |
|---|---|---|---|---|---|---|
| 8 | 1 | 100 | 221 | - | 50 | - |
| TOTAL | 1 | | | | | |
| MEAN | | | 221 | - | 50 | - |
| MEAN AGE | 8.0 | | | | | |

Table 24. Catch and catch per unit effort (CPE) data for fish caught by experimental gillnets from South Henik Lake, 1980.

| | | Mesh Size | | | | | Total | |
|---|---|---|---|---|---|---|---|---|
| | | 1.5 | 2.5 | 3.5 | 4.5 | 5.5 (in) | Catch | |
| | | 38 | 64 | 89 | 114 | 139 (mm) | (kg) | CPE[1] |
| Lake trout | No. | 84 | 63 | 48 | 58 | 36 | 289 | 10.80 |
| | % | 29.1 | 21.8 | 16.6 | 20.1 | 12.5 | 79.8 | |
| Lake whitefish | No. | 2 | 4 | - | 7 | 5 | 18 | 0.67 |
| | % | 11.1 | 22.2 | - | 38.9 | 27.8 | 5.0 | |
| Round whitefish | No. | 28 | 8 | 3 | 1 | - | 40 | 1.49 |
| | % | 70.0 | 20.0 | 7.5 | 2.5 | - | 11.0 | |
| Cisco | No. | 14 | - | - | - | - | 14 | 0.52 |
| | % | 100.0 | - | - | - | - | 3.9 | |
| Arctic grayling | No. | - | 2 | - | - | - | 2 | 0.04 |
| | % | - | 100.0 | - | - | - | 0.3 | |
| Total | No. | 128 | 77 | 51 | 66 | 41 | 363 | 13.56 |
| | % | 35.4 | 21.2 | 14.1 | 18.2 | 11.3 | | |

[1] No. fish caught/100 m gillnet/24 hours.

Table 25. Biological data by length interval for lake trout caught by experimental nets from South Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 175 | - | - | - | - | - | - | 2 | 185 | 63 | 18 | 0.98 | 0 | 2 | 185 | 63 | 18 | 0.98 | 0 |
| 200 | 2 | 210 | 863 | 1114 | 8.22 | 50 | 1 | 205 | 100 | - | 1.16 | 0 | 4 | 210 | 481 | 779 | 4.65 | 25 |
| 225 | 1 | 248 | 150 | - | 0.98 | 0 | 1 | 225 | 100 | - | 0.88 | 0 | 2 | 237 | 125 | 35 | 0.93 | 0 |
| 250 | - | - | - | - | - | - | 1 | 253 | 150 | - | 0.93 | 0 | 1 | 253 | 150 | - | 0.93 | 0 |
| 275 | 1 | 282 | 225 | - | 1.00 | 0 | 1 | 284 | 300 | - | 1.31 | 0 | 2 | 283 | 263 | 53 | 1.16 | 0 |
| 300 | 3 | 307 | 1050 | 1256 | 3.78 | 0 | - | - | - | - | - | - | 3 | 307 | 1050 | 1256 | 3.78 | 0 |
| 325 | 3 | 331 | 380 | 30 | 1.05 | 0 | 1 | 337 | 150 | - | 0.39 | 0 | 4 | 333 | 323 | 118 | 0.88 | 0 |
| 350 | 1 | 355 | 460 | - | 1.03 | 0 | 3 | 366 | 532 | 88 | 1.08 | 0 | 4 | 364 | 514 | 80 | 1.06 | 0 |
| 375 | - | - | - | - | - | - | 1 | 380 | 650 | - | 1.18 | 0 | 1 | 380 | 650 | - | 1.18 | 0 |
| 400 | 2 | 412 | 700 | 0 | 1.01 | 0 | - | - | - | - | - | - | 2 | 412 | 700 | 0 | 1.01 | 0 |
| 425 | - | - | - | - | - | - | 2 | 432 | 890 | 14 | 1.10 | 0 | 2 | 432 | 890 | 14 | 1.10 | 0 |
| 450 | - | - | - | - | - | - | 1 | 450 | 1000 | - | 1.10 | 0 | 1 | 450 | 1000 | - | 1.10 | 0 |
| 475 | 1 | 478 | 1150 | - | 1.05 | 0 | 2 | 486 | 1205 | 218 | 1.04 | 50 | 3 | 483 | 1186 | 158 | 1.05 | 33 |
| 500 | 1 | 501 | 1450 | - | 1.15 | 100 | 1 | 519 | 1550 | - | 1.11 | 100 | 2 | 510 | 1500 | 71 | 1.13 | 100 |
| 525 | 5 | 543 | 1720 | 115 | 1.07 | 80 | 7 | 539 | 1800 | 216 | 1.15 | 100 | 12 | 541 | 1767 | 179 | 1.12 | 92 |
| 550 | 14 | 567 | 2022 | 134 | 1.11 | 93 | 2 | 562 | 1625 | 530 | 0.91 | 100 | 16 | 567 | 1972 | 229 | 1.08 | 94 |
| 575 | 26 | 587 | 2064 | 271 | 1.02 | 96 | 7 | 587 | 2343 | 571 | 1.16 | 86 | 33 | 587 | 2123 | 363 | 1.05 | 94 |
| 600 | 32 | 612 | 2305 | 280 | 1.00 | 88 | 9 | 613 | 2317 | 250 | 1.00 | 100 | 41 | 613 | 2308 | 271 | 1.00 | 90 |
| 625 | 29 | 634 | 2661 | 363 | 1.04 | 86 | 19 | 635 | 2711 | 616 | 1.06 | 89 | 48 | 635 | 2680 | 474 | 1.05 | 88 |
| 650 | 15 | 662 | 2895 | 311 | 1.00 | 100 | 14 | 658 | 3018 | 285 | 1.06 | 93 | 29 | 660 | 2954 | 300 | 1.03 | 97 |
| 675 | 18 | 686 | 3057 | 549 | 0.94 | 94 | 16 | 687 | 3328 | 382 | 1.03 | 100 | 35 | 687 | 3188 | 484 | 0.98 | 97 |
| 700 | 11 | 708 | 3748 | 370 | 1.06 | 91 | 12 | 711 | 3753 | 353 | 1.04 | 100 | 23 | 710 | 3751 | 353 | 1.05 | 96 |
| 725 | 4 | 733 | 3795 | 954 | 0.97 | 100 | 10 | 733 | 3701 | 703 | 0.94 | 100 | 14 | 733 | 3728 | 745 | 0.95 | 100 |
| 750 | 2 | 765 | 5041 | 55 | 1.13 | 100 | 2 | 766 | 4615 | 1082 | 1.03 | 100 | 4 | 765 | 4828 | 672 | 1.08 | 100 |
| 775 | - | - | - | - | - | - | 4 | 794 | 4728 | 798 | 0.94 | 100 | 4 | 794 | 4728 | 798 | 0.94 | 100 |
| 825 | 1 | 825 | 6125 | - | 1.09 | 100 | - | - | - | - | - | - | 1 | 825 | 6125 | - | 1.09 | 100 |
| 850 | - | - | - | - | - | - | 1 | 855 | 4550 | - | 0.73 | 100 | 1 | 855 | 4550 | - | 0.73 | 100 |
| TOTAL | 172 | | | | | | 120 | | | | | | 294 | | | | | |
| MEAN | | 606 | 2462 | 916 | 1.15 | | | 618 | 2706 | 1196 | 1.04 | | | 610 | 2556 | 1052 | 1.11 | |

Table 26. Biological data by age group for lake trout caught by experimental nets from South Henik Lake, 1980.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 1 | 200 | - | 75 | - | 0.94 | 0 | 2 | 185 | 7.1 | 63 | 18 | 0.98 | 0 | 4 | 196 | 14.9 | 75 | 20 | 0.97 | 0 |
| 6 | - | - | - | - | - | - | - | 1 | 337 | - | 150 | - | 0.39 | 0 | 1 | 337 | - | 150 | - | 0.39 | 0 |
| 7 | 1 | 248 | - | 150 | - | 0.98 | 0 | 1 | 225 | - | 100 | - | 0.88 | 0 | 2 | 237 | 16.3 | 125 | 35 | 0.93 | 0 |
| 8 | 1 | 310 | - | 300 | - | 1.01 | 0 | 2 | 269 | 21.9 | 225 | 106 | 1.12 | 0 | 3 | 282 | 26.5 | 250 | 87 | 1.08 | 0 |
| 9 | 4 | 315 | 25.8 | 341 | 81 | 1.08 | 0 | 1 | 370 | - | 580 | - | 1.15 | 0 | 5 | 326 | 33.2 | 389 | 128 | 1.09 | 0 |
| 10 | 2 | 382 | 37.5 | 580 | 170 | 1.03 | 0 | 3 | 370 | 10.5 | 555 | 113 | 1.09 | 0 | 5 | 374 | 21.2 | 565 | 117 | 1.07 | 0 |
| 11 | 1 | 301 | - | 2500 | - | 9.17 | 0 | - | - | - | - | - | - | - | 1 | 301 | - | 2500 | - | 9.17 | 0 |
| 12 | - | - | - | - | - | - | - | 2 | 443 | 10.6 | 950 | 71 | 1.10 | 0 | 2 | 443 | 10.6 | 950 | 71 | 1.10 | 0 |
| 14 | 1 | 415 | - | 700 | - | 0.98 | 0 | - | - | - | - | - | - | - | 1 | 415 | - | 700 | - | 0.98 | 0 |
| 15 | 2 | 572 | 48.1 | 2250 | 778 | 1.17 | 100 | 3 | 543 | 115.5 | 1877 | 1066 | 1.09 | 33 | 5 | 555 | 86.6 | 2026 | 872 | 1.12 | 60 |
| 16 | 7 | 551 | 39.1 | 1821 | 370 | 1.08 | 57 | 5 | 581 | 61.6 | 1822 | 644 | 0.92 | 60 | 12 | 563 | 49.6 | 1822 | 475 | 1.01 | 58 |
| 17 | 4 | 548 | 35.0 | 1825 | 380 | 1.10 | 75 | 1 | 572 | - | 2000 | - | 1.07 | 100 | 5 | 553 | 32.2 | 1860 | 338 | 1.09 | 80 |
| 18 | 5 | 521 | 169.7 | 2138 | 452 | 3.94 | 100 | 2 | 499 | 29.0 | 1300 | 354 | 1.04 | 50 | 7 | 515 | 139.5 | 1899 | 569 | 3.11 | 86 |
| 19 | 11 | 611 | 37.0 | 2336 | 393 | 1.02 | 73 | 5 | 604 | 45.0 | 2480 | 896 | 1.09 | 100 | 16 | 609 | 38.2 | 2381 | 567 | 1.05 | 81 |
| 20 | 9 | 613 | 29.5 | 2444 | 317 | 1.06 | 89 | 5 | 578 | 50.6 | 2165 | 649 | 1.10 | 100 | 14 | 600 | 40.5 | 2344 | 459 | 1.07 | 93 |
| 21 | 6 | 606 | 37.9 | 2258 | 196 | 1.03 | 100 | 4 | 658 | 27.2 | 2975 | 403 | 1.04 | 100 | 10 | 627 | 42.1 | 2545 | 461 | 1.03 | 100 |
| 22 | 5 | 588 | 18.3 | 2145 | 129 | 1.06 | 100 | - | - | - | - | - | - | - | 5 | 588 | 18.3 | 2145 | 129 | 1.06 | 100 |
| 23 | 3 | 613 | 27.7 | 2383 | 300 | 1.03 | 100 | 2 | 653 | 86.3 | 3330 | 1386 | 1.16 | 100 | 5 | 629 | 52.2 | 2762 | 891 | 1.08 | 100 |
| 24 | 2 | 611 | 19.1 | 2125 | 177 | 0.93 | 50 | 6 | 668 | 77.3 | 3125 | 791 | 1.05 | 100 | 8 | 653 | 70.9 | 2875 | 816 | 1.02 | 88 |
| 25 | 8 | 624 | 35.1 | 2579 | 606 | 1.05 | 100 | 5 | 642 | 71.3 | 3000 | 677 | 1.14 | 100 | 13 | 631 | 50.0 | 2741 | 642 | 1.08 | 100 |
| 26 | 16 | 637 | 48.1 | 2656 | 767 | 1.00 | 100 | 7 | 650 | 46.5 | 2883 | 556 | 1.04 | 100 | 23 | 641 | 47.0 | 2725 | 705 | 1.02 | 100 |
| 27 | 17 | 647 | 51.0 | 2864 | 621 | 1.05 | 100 | 7 | 683 | 39.2 | 3436 | 760 | 1.07 | 100 | 24 | 658 | 50.0 | 3031 | 699 | 1.05 | 100 |
| 28 | 15 | 643 | 46.9 | 2833 | 839 | 1.04 | 93 | 10 | 672 | 66.7 | 3280 | 1233 | 1.04 | 100 | 25 | 655 | 56.2 | 3012 | 1015 | 1.04 | 96 |
| 29 | 5 | 651 | 29.6 | 2892 | 657 | 1.04 | 100 | 5 | 660 | 24.8 | 2590 | 549 | 0.90 | 100 | 10 | 656 | 26.2 | 2741 | 593 | 0.97 | 100 |
| 30 | 5 | 662 | 47.8 | 2900 | 820 | 0.98 | 100 | 2 | 648 | 3.5 | 2300 | 354 | 0.85 | 100 | 7 | 658 | 39.7 | 2729 | 745 | 0.94 | 100 |
| 31 | 4 | 643 | 125.6 | 3144 | 2000 | 1.09 | 100 | 2 | 618 | 14.1 | 2613 | 725 | 1.10 | 100 | 6 | 635 | 98.3 | 2867 | 1607 | 1.09 | 100 |
| 32 | 6 | 666 | 65.5 | 2806 | 1328 | 0.89 | 83 | 3 | 733 | 57.1 | 3525 | 843 | 0.89 | 100 | 9 | 688 | 68.2 | 3046 | 1187 | 0.89 | 89 |
| 33 | 6 | 618 | 29.6 | 2267 | 389 | 0.96 | 83 | 4 | 708 | 20.3 | 3538 | 670 | 1.00 | 100 | 10 | 654 | 52.7 | 2775 | 815 | 0.97 | 90 |
| 34 | 4 | 664 | 19.5 | 2788 | 236 | 0.96 | 100 | 4 | 706 | 73.0 | 3025 | 764 | 0.87 | 100 | 8 | 685 | 54.2 | 2906 | 539 | 0.92 | 100 |
| 35 | 5 | 676 | 45.2 | 2920 | 643 | 0.94 | 100 | 3 | 723 | 59.2 | 3913 | 582 | 1.04 | 100 | 8 | 693 | 52.5 | 3293 | 773 | 0.97 | 100 |
| 36 | 2 | 630 | 7.8 | 2550 | 141 | 1.02 | 100 | 1 | 702 | - | 3450 | - | 1.00 | 100 | 3 | 654 | 42.2 | 2850 | 529 | 1.01 | 100 |
| 37 | 2 | 657 | 51.6 | 2840 | 198 | 1.01 | 100 | 7 | 677 | 44.0 | 3475 | 356 | 1.15 | 100 | 9 | 672 | 43.2 | 3334 | 422 | 1.12 | 100 |
| 38 | 2 | 653 | 7.1 | 2800 | 141 | 1.01 | 50 | 1 | 765 | - | 5380 | - | 1.20 | 100 | 3 | 690 | 64.9 | 3660 | 1493 | 1.07 | 67 |
| 39 | 1 | 701 | - | 4400 | - | 1.28 | 100 | - | - | - | - | - | - | - | 1 | 701 | - | 4400 | - | 1.28 | 100 |
| 40 | 1 | 698 | - | 4450 | - | 1.31 | 100 | 2 | 689 | 37.5 | 3575 | 672 | 1.09 | 100 | 3 | 692 | 27.1 | 3867 | 693 | 1.16 | 100 |
| 41 | - | - | - | - | - | - | - | 1 | 628 | - | 2150 | - | 0.87 | 0 | 1 | 628 | - | 2150 | - | 0.87 | 0 |
| 42 | 1 | 670 | - | 2540 | - | 0.84 | 100 | 2 | 795 | 84.9 | 4250 | 424 | 0.86 | 100 | 3 | 753 | 93.9 | 3680 | 1032 | 0.86 | 100 |
| 43 | - | - | - | - | - | - | - | 1 | 626 | - | 2450 | - | 1.00 | 100 | 1 | 626 | - | 2450 | - | 1.00 | 100 |
| 45 | - | - | - | - | - | - | - | 2 | 706 | 26.9 | 3650 | 212 | 1.04 | 100 | 2 | 706 | 26.9 | 3650 | 212 | 1.04 | 100 |
| 47 | - | - | - | - | - | - | - | 1 | 687 | - | 3450 | - | 1.06 | 100 | 1 | 687 | - | 3450 | - | 1.06 | 100 |
| 48 | 1 | 743 | - | 2450 | - | 0.60 | 100 | - | - | - | - | - | - | - | 1 | 743 | - | 2450 | - | 0.60 | 100 |
| TOTAL | 166 | | | | | | | 115 | | | | | | | 282 | | | | | | |
| MEAN | | 606 | 99 | 2452 | 891 | 1.16 | | | 621 | 127.3 | 2716 | 1188 | 1.03 | | | 611 | 113.7 | 2552 | 1038 | 1.11 | |
| MEAN AGE | 25.3 | | | | | | | | | | | | | | | | | | | | |

Table 27. Biological data by length interval for lake whitefish caught by experimental nets from South Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 550 | - | - | - | - | - | - | 1 | 551 | 1960 | - | 1.17 | 100 | 1 | 551 | 1960 | - | 1.17 | 100 |
| 560 | 1 | 569 | 2700 | - | 1.47 | 100 | - | - | - | - | - | - | 1 | 569 | 2700 | - | 1.47 | 100 |
| 570 | 1 | 577 | 2600 | - | 1.35 | 100 | 1 | 575 | 2710 | - | 1.43 | 100 | 2 | 576 | 2655 | 78 | 1.39 | 100 |
| 580 | 2 | 583 | 2750 | 212 | 1.39 | 100 | 1 | 589 | 3400 | - | 1.66 | 100 | 3 | 585 | 2967 | 404 | 1.48 | 100 |
| 590 | - | - | - | - | - | - | 1 | 596 | 3100 | - | 1.46 | 100 | 1 | 596 | 3100 | - | 1.46 | 100 |
| 600 | - | - | - | - | - | - | 1 | 605 | 4000 | - | 1.81 | 100 | 1 | 605 | 4000 | - | 1.81 | 100 |
| 610 | 1 | 615 | 3000 | - | 1.29 | 100 | 1 | 610 | 3750 | - | 1.65 | 100 | 2 | 613 | 3375 | 530 | 1.47 | 100 |
| 620 | 1 | 628 | 3500 | - | 1.41 | 100 | 3 | 624 | 3708 | 191 | 1.53 | 100 | 4 | 625 | 3656 | 188 | 1.50 | 100 |
| 630 | - | - | - | - | - | - | 3 | 634 | 3458 | 620 | 1.36 | 100 | 3 | 634 | 3458 | 620 | 1.36 | 100 |
| 640 | - | - | - | - | - | - | 2 | 641 | 4150 | 919 | 1.58 | 100 | 2 | 641 | 4150 | 919 | 1.58 | 100 |
| TOTAL | 6 | | | | | | 14 | | | | | | 20 | | | | | |
| MEAN | | 593 | 2883 | 343 | 1.38 | | | 613 | 3480 | 687 | 1.50 | | | 607 | 3301 | 658 | 1.46 | |



Table 28. Biological data by age group for lake whitefish caught by experimental nets from South Henik Lake, 1980.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 11 | - | - | - | - | - | - | - | 1 | 575 | - | 2710 | - | 1.43 | 100 | 1 | 575 | - | 2710 | - | 1.43 | 100 |
| 13 | 1 | 569 | - | 2700 | - | 1.47 | 100 | 1 | 605 | - | 4000 | - | 1.81 | 100 | 2 | 587 | 25.5 | 3350 | 919 | 1.64 | 100 |
| 15 | - | - | - | - | - | - | - | 2 | 619 | 12.0 | 3750 | 0 | 1.59 | 100 | 2 | 619 | 12.0 | 3750 | 0 | 1.59 | 100 |
| 16 | 1 | 615 | - | 3000 | - | 1.29 | 100 | 3 | 605 | 22.5 | 3133 | 252 | 1.43 | 100 | 4 | 608 | 19.0 | 3100 | 216 | 1.39 | 100 |
| 17 | 2 | 583 | 2.8 | 2750 | 212 | 1.39 | 100 | 2 | 639 | 4.9 | 3425 | 106 | 1.32 | 100 | 4 | 611 | 32.2 | 3088 | 413 | 1.35 | 100 |
| 18 | 1 | 577 | - | 2600 | - | 1.35 | 100 | 3 | 626 | 7.6 | 3833 | 315 | 1.56 | 100 | 4 | 614 | 25.4 | 3525 | 668 | 1.51 | 100 |
| 19 | 1 | 628 | - | 3500 | - | 1.41 | 100 | - | - | - | - | - | - | - | 1 | 628 | - | 3500 | - | 1.41 | 100 |
| 20 | - | - | - | - | - | - | - | 1 | 640 | - | 4800 | - | 1.83 | 100 | 1 | 640 | - | 4800 | - | 1.83 | 100 |
| TOTAL | 6 | | | | | | | 13 | | | | | | | 19 | | | | | | |
| MEAN | | 593 | 23 | 2883 | 343 | 1.38 | | | 618 | 21.1 | 3597 | 552 | 1.52 | | | 610 | 24.3 | 3372 | 593 | 1.48 | |
| MEAN AGE | 16.3 | | | | | | | | | | | | | | | | | | | | |

Table 29. Biological data by length interval for round whitefish caught by experimental nets from South Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 180 | - | - | - | - | - | - | 1 | 187 | 50 | - | 0.76 | 100 | 1 | 187 | 50 | - | 0.76 | 100 |
| 200 | 4 | 206 | 69 | 24 | 0.79 | 100 | 2 | 206 | 75 | 35 | 0.87 | 100 | 6 | 206 | 71 | 25 | 0.81 | 100 |
| 210 | 2 | 211 | 75 | 35 | 0.81 | 100 | 1 | 211 | 100 | - | 1.06 | 100 | 3 | 211 | 83 | 29 | 0.89 | 100 |
| 220 | 2 | 221 | 88 | 18 | 0.81 | 50 | - | - | - | - | - | - | 2 | 221 | 88 | 18 | 0.81 | 50 |
| 230 | 3 | 235 | 112 | 13 | 0.86 | 67 | - | - | - | - | - | - | 3 | 235 | 112 | 13 | 0.86 | 67 |
| 240 | 2 | 246 | 138 | 18 | 0.93 | 100 | 2 | 243 | 125 | 35 | 0.88 | 100 | 4 | 244 | 131 | 24 | 0.90 | 100 |
| 250 | 1 | 253 | 150 | - | 0.93 | 100 | 1 | 251 | 150 | - | 0.95 | 100 | 2 | 252 | 150 | 0 | 0.94 | 100 |
| 260 | - | - | - | - | - | - | 1 | 267 | 275 | - | 1.44 | 100 | 1 | 267 | 275 | - | 1.44 | 100 |
| 270 | 1 | 278 | 250 | - | 1.16 | 0 | - | - | - | - | - | - | 1 | 278 | 250 | - | 1.16 | 0 |
| TOTAL | 15 | | | | | | 8 | | | | | | 23 | | | | | |
| MEAN | | 227 | 107 | 51 | 0.86 | | | 227 | 122 | 73 | 0.96 | | | 227 | 112 | 58 | 0.90 | |



Table 30. Biological data by age group for round whitefish caught by experimental nets from South Henik Lake, 1980.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 4 | 4 | 214 | 14.8 | 84 | 27 | 0.84 | 67 | 3 | 201 | 12.5 | 83 | 29 | 1.00 | 100 | 7 | 208 | 14.4 | 84 | 25 | 0.91 | 83 |
| 5 | 6 | 224 | 27.1 | 104 | 75 | 0.84 | 67 | 1 | 243 | - | 150 | - | 1.05 | 100 | 7 | 227 | 25.8 | 111 | 70 | 0.87 | 71 |
| 6 | 4 | 241 | 8.8 | 131 | 24 | 0.93 | 100 | 3 | 253 | 12.7 | 175 | 90 | 1.03 | 100 | 7 | 246 | 11.6 | 150 | 60 | 0.97 | 100 |
| 7 | 1 | 248 | - | 125 | - | 0.82 | 100 | - | - | - | - | - | - | - | 1 | 248 | - | 125 | - | 0.82 | 100 |
| TOTAL | 15 | | | | | | | 7 | | | | | | | 22 | | | | | | |
| MEAN | | 227 | 22 | 107 | 51 | 0.86 | | | 229 | 28.7 | 132 | 72 | 1.02 | | | 228 | 23.5 | 115 | 58 | 0.91 | |
| MEAN AGE | | 5.1 | | | | | | | | | | | | | | | | | | | |

Table 31. Biological data by length interval for cisco caught by experimental nets from South Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT |
| 270 | - | - | - | - | - | - | 1 | 275 | 250 | - | 1.20 | 100 | 1 | 275 | 250 | - | 1.20 | 100 |
| TOTAL | 0 | | | | | | 1 | | | | | | 1 | | | | | |
| MEAN | | - | - | - | - | | | 275 | 250 | - | 1.20 | | | 275 | 250 | - | 1.20 | |

Table 32. Biological data by age group for cisco caught by experimental nets from South Henik Lake, 1980.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT |
| 6 | - | - | - | - | - | - | - | 1 | 275 | - | 250 | - | 1.20 | 100 | 1 | 275 | - | 250 | - | 1.20 | 100 |
| TOTAL | 0 | | | | | | | 1 | | | | | | | 1 | | | | | | |
| MEAN | | - | - | - | - | - | | | 275 | - | 250 | - | 1.20 | | | 275 | - | 250 | - | 1.20 | |
| MEAN AGE | 6.0 | | | | | | | | | | | | | | | | | | | | |

Table 33. Biological data by length interval for Arctic grayling caught by experimental nets from South Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT |
| 250 | - | - | - | - | - | - | 1 | 256 | 200 | - | 1.19 | 0 | 1 | 256 | 200 | - | 1.19 | 0 |
| 330 | - | - | - | - | - | - | 1 | 337 | 500 | - | 1.31 | 0 | 1 | 337 | 500 | - | 1.31 | 0 |
| TOTAL | 0 | | | | | | 2 | | | | | | 2 | | | | | |
| MEAN | | - | - | - | - | | | 297 | 350 | 212 | 1.25 | | | 297 | 350 | 212 | 1.25 | |

Table 34. Biological data by age group for Arctic grayling caught by experimental nets from South Henik Lake, 1980.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT |
| 3 | - | - | - | - | - | - | - | | | | | | | | | | | | | | |
| 6 | - | - | - | - | - | - | - | 1 | 256 | - | 200 | - | 1.19 | 0 | 1 | 256 | - | 200 | - | 1.19 | 0 |
| | | | | | | | | 1 | 337 | - | 500 | - | 1.31 | 0 | 1 | 337 | - | 500 | - | 1.31 | 0 |
| TOTAL | 0 | | | | | | | 2 | | | | | | | 2 | | | | | | |
| MEAN | | - | - | - | - | - | | | 297 | 57.3 | 350 | 212 | 1.25 | | | 297 | 57.3 | 350 | 212 | 1.25 | |
| MEAN AGE | 4.5 | | | | | | | | | | | | | | | | | | | | |

Table 35. Biological data by length interval for lake trout caught by tagging nets from South Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 150 | 1 | 162 | 50 | - | 1.18 | 0 | - | - | - | - | - | - | 1 | 162 | 50 | - | 1.18 | 0 |
| 175 | 2 | 189 | 50 | 0 | 0.74 | 0 | 1 | 182 | 30 | - | 0.50 | 0 | 3 | 187 | 43 | 12 | 0.66 | 0 |
| 200 | 3 | 211 | 60 | 35 | 0.63 | 0 | 1 | 202 | 60 | - | 0.73 | 0 | 4 | 209 | 60 | 28 | 0.65 | 0 |
| 325 | 2 | 329 | 330 | 28 | 0.93 | 0 | - | - | - | - | - | - | 3 | 333 | 330 | 28 | 0.93 | 0 |
| 350 | 1 | 355 | 450 | - | 1.01 | 0 | - | - | - | - | - | - | 1 | 355 | 450 | - | 1.01 | 0 |
| 375 | 1 | 392 | 650 | - | 1.08 | 0 | - | - | - | - | - | - | 1 | 392 | 650 | - | 1.08 | 0 |
| 425 | - | - | - | - | - | - | 1 | 442 | 1300 | - | 1.51 | 0 | 1 | 442 | 1300 | - | 1.51 | 0 |
| 475 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 479 | - | - | - | - |
| 500 | - | - | - | - | - | - | 1 | 521 | 1350 | - | 0.95 | 0 | 5 | 514 | 1350 | - | 0.95 | 0 |
| 525 | 2 | 535 | 1725 | 177 | 1.12 | 100 | - | - | - | - | - | - | 5 | 531 | 1725 | 177 | 1.12 | 100 |
| 550 | 2 | 556 | 1903 | 103 | 1.11 | 100 | 1 | 569 | 2230 | - | 1.21 | 100 | 11 | 564 | 2012 | 203 | 1.14 | 100 |
| 575 | 1 | 599 | 2100 | - | 0.98 | 100 | 4 | 587 | 2288 | 95 | 1.13 | 100 | 12 | 587 | 2250 | 117 | 1.10 | 100 |
| 600 | 2 | 613 | 2380 | 71 | 1.03 | 100 | - | - | - | - | - | - | 21 | 609 | 2380 | 71 | 1.03 | 100 |
| 625 | 2 | 636 | 2815 | 544 | 1.09 | 100 | 2 | 632 | 2625 | 318 | 1.04 | 100 | 23 | 634 | 2720 | 380 | 1.07 | 100 |
| 650 | 2 | 673 | 3000 | 0 | 0.98 | 100 | - | - | - | - | - | - | 18 | 663 | 3000 | 0 | 0.98 | 100 |
| 675 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 684 | - | - | - | - |
| 700 | - | - | - | - | - | - | 1 | 705 | 4150 | - | 1.18 | 100 | 16 | 708 | 4150 | - | 1.18 | 100 |
| 725 | 1 | 738 | 5000 | - | 1.24 | 100 | 1 | 728 | 4100 | - | 1.06 | 100 | 12 | 734 | 4550 | 636 | 1.15 | 100 |
| 750 | 2 | 760 | 3900 | 1556 | 0.89 | 100 | 1 | 753 | 4200 | - | 0.98 | 100 | 11 | 755 | 4000 | 1114 | 0.92 | 100 |
| 775 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 783 | - | - | - | - |
| 800 | - | - | - | - | - | - | 2 | 817 | 4725 | 318 | 0.87 | 100 | 5 | 812 | 4725 | 318 | 0.87 | 100 |
| 825 | - | - | - | - | - | - | 1 | 830 | 6850 | - | 1.20 | 100 | 4 | 834 | 6850 | - | 1.20 | 100 |
| 850 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 850 | - | - | - | - |
| TOTAL | 24 | | | | | | 17 | | | | | | 171 | | | | | |
| MEAN | | 478 | 1693 | 1518 | 0.96 | | | 599 | 2831 | 1776 | 1.04 | | | 626 | 2165 | 1706 | 1.00 | |

Table 36. Biological data by age group for lake trout caught by tagging nets from South Henik Lake, 1980.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 5 | 192 | 19.7 | 46 | 5 | 0.71 | 0 | 1 | 182 | - | 30 | - | 0.50 | 0 | 6 | 190 | 18.1 | 43 | 8 | 0.67 | 0 |
| 6 | 1 | 215 | - | 100 | - | 1.01 | 0 | - | - | - | - | - | - | - | 1 | 215 | - | 100 | - | 1.01 | 0 |
| 8 | 1 | 355 | - | 450 | - | 1.01 | 0 | - | - | - | - | - | - | - | 1 | 355 | - | 450 | - | 1.01 | 0 |
| 9 | 2 | 359 | 47.4 | 480 | 240 | 0.99 | 0 | - | - | - | - | - | - | - | 2 | 359 | 47.4 | 480 | 240 | 0.99 | 0 |
| 11 | 1 | 333 | - | 350 | - | 0.95 | 0 | - | - | - | - | - | - | - | 1 | 333 | - | 350 | - | 0.95 | 0 |
| 14 | - | - | - | - | - | - | - | 1 | 442 | - | 1300 | - | 1.51 | 0 | 1 | 442 | - | 1300 | - | 1.51 | 0 |
| 15 | 1 | 542 | - | 1850 | - | 1.16 | 100 | - | - | - | - | - | - | - | 1 | 542 | - | 1850 | - | 1.16 | 100 |
| 16 | 1 | 559 | - | 1975 | - | 1.13 | 100 | 2 | 549 | 38.9 | 1750 | 566 | 1.04 | 50 | 3 | 552 | 28.2 | 1825 | 421 | 1.07 | 67 |
| 17 | 1 | 528 | - | 1600 | - | 1.09 | 100 | 1 | 569 | - | 2230 | - | 1.21 | 100 | 2 | 549 | 29.0 | 1915 | 445 | 1.15 | 100 |
| 18 | 2 | 592 | 55.2 | 2130 | 424 | 1.02 | 100 | 1 | 587 | - | 2350 | - | 1.16 | 100 | 3 | 590 | 39.1 | 2203 | 326 | 1.07 | 100 |
| 20 | 1 | 599 | - | 2100 | - | 0.98 | 100 | - | - | - | - | - | - | - | 1 | 599 | - | 2100 | - | 0.98 | 100 |
| 22 | 2 | 613 | 2.8 | 2380 | 71 | 1.03 | 100 | - | - | - | - | - | - | - | 2 | 613 | 2.8 | 2380 | 71 | 1.03 | 100 |
| 24 | 1 | 674 | - | 3000 | - | 0.98 | 100 | - | - | - | - | - | - | - | 1 | 674 | - | 3000 | - | 0.98 | 100 |
| 27 | 1 | 641 | - | 3200 | - | 1.21 | 100 | 1 | 593 | - | 2350 | - | 1.13 | 100 | 2 | 617 | 33.9 | 2775 | 601 | 1.17 | 100 |
| 28 | - | - | - | - | - | - | - | 2 | 680 | 68.6 | 3475 | 884 | 1.10 | 100 | 2 | 680 | 68.6 | 3475 | 884 | 1.10 | 100 |
| 29 | - | - | - | - | - | - | - | 1 | 824 | - | 4500 | - | 0.80 | 100 | 1 | 824 | - | 4500 | - | 0.80 | 100 |
| 30 | 1 | 765 | - | 2800 | - | 0.63 | 100 | - | - | - | - | - | - | - | 1 | 765 | - | 2800 | - | 0.63 | 100 |
| 31 | - | - | - | - | - | - | - | 2 | 782 | 40.3 | 4575 | 530 | 0.96 | 100 | 2 | 782 | 40.3 | 4575 | 530 | 0.96 | 100 |
| 32 | - | - | - | - | - | - | - | 1 | 633 | - | 2400 | - | 0.95 | 100 | 1 | 633 | - | 2400 | - | 0.95 | 100 |
| 35 | 1 | 738 | - | 5000 | - | 1.24 | 100 | - | - | - | - | - | - | - | 1 | 738 | - | 5000 | - | 1.24 | 100 |
| 37 | 1 | 755 | - | 5000 | - | 1.16 | 100 | 1 | 705 | - | 4150 | - | 1.18 | 100 | 2 | 730 | 35.4 | 4575 | 601 | 1.17 | 100 |
| 45 | - | - | - | - | - | - | - | 1 | 830 | - | 6850 | - | 1.20 | 100 | 1 | 830 | - | 6850 | - | 1.20 | 100 |
| 50 | 1 | 672 | - | 3000 | - | 0.99 | 100 | - | - | - | - | - | - | - | 1 | 672 | - | 3000 | - | 0.99 | 100 |
| TOTAL | 24 | | | | | | | 15 | | | | | | | 39 | | | | | | |
| MEAN | | 478 | 205 | 1693 | 1518 | 0.96 | | | 626 | 168.6 | 3051 | 1728 | 1.06 | | | 535 | 203.3 | 2215 | 1715 | 1.00 | |
| MEAN AGE | 20.3 | | | | | | | | | | | | | | | | | | | | |

Table 37. Biological data by length interval for lake whitefish caught by tagging nets from South Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT |
| 540 | - | - | - | - | - | - | 1 | 540 | 2800 | - | 1.78 | 100 | 1 | 540 | 2800 | - | 1.78 | 100 |
| 550 | - | - | - | - | - | - | 1 | 550 | 2600 | - | 1.56 | 100 | 1 | 550 | 2600 | - | 1.56 | 100 |
| 580 | - | - | - | - | - | - | 2 | 586 | 3225 | 530 | 1.60 | 100 | 2 | 586 | 3225 | 530 | 1.60 | 100 |
| 590 | - | - | - | - | - | - | 2 | 594 | 3475 | 177 | 1.66 | 100 | 2 | 594 | 3475 | 177 | 1.66 | 100 |
| 620 | - | - | - | - | - | - | 1 | 620 | 4200 | - | 1.76 | 100 | 1 | 620 | 4200 | - | 1.76 | 100 |
| 630 | - | - | - | - | - | - | 1 | 630 | 4500 | - | 1.80 | 100 | 1 | 630 | 4500 | - | 1.80 | 100 |
| TOTAL | 0 | | | | | | 8 | | | | | | 8 | | | | | |
| MEAN | | - | - | - | - | | | 587 | 3438 | 679 | 1.68 | | | 587 | 3438 | 679 | 1.68 | |



Table 38. Biological data by age group for lake whitefish caught by tagging nets from South Henik Lake, 1980.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT |
| 13 | - | - | - | - | - | - | - | 3 | 585 | 45.0 | 3383 | 967 | 1.67 | 100 | 3 | 585 | 45.0 | 3383 | 967 | 1.67 | 100 |
| 14 | - | - | - | - | - | - | - | 1 | 550 | - | 2600 | - | 1.56 | 100 | 1 | 550 | - | 2600 | - | 1.56 | 100 |
| 15 | - | - | - | - | - | - | - | 1 | 620 | - | 4200 | - | 1.76 | 100 | 1 | 620 | - | 4200 | - | 1.76 | 100 |
| 16 | - | - | - | - | - | - | - | 1 | 591 | - | 3350 | - | 1.62 | 100 | 1 | 591 | - | 3350 | - | 1.62 | 100 |
| 17 | - | - | - | - | - | - | - | 1 | 587 | - | 3600 | - | 1.78 | 100 | 1 | 587 | - | 3600 | - | 1.78 | 100 |
| 18 | - | - | - | - | - | - | - | 1 | 596 | - | 3600 | - | 1.70 | 100 | 1 | 596 | - | 3600 | - | 1.70 | 100 |
| TOTAL | 0 | | | | | | | 8 | | | | | | | 8 | | | | | | |
| MEAN | | - | - | - | - | - | | | 587 | 30.7 | 3438 | 679 | 1.68 | | | 587 | 30.7 | 3438 | 679 | 1.68 | |
| MEAN AGE | 14.9 | | | | | | | | | | | | | | | | | | | | |

Table 39. Biological data by length interval for round whitefish caught by tagging nets from South Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 180 | 1 | 185 | 75 | - | 1.18 | - | - | - | - | - | - | - | 1 | 185 | 75 | - | 1.18 | - |
| 210 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 220 | 2 | 223 | 100 | 0 | 0.90 | 50 | 2 | 216 | 100 | 0 | 0.99 | 50 | 2 | 216 | 100 | 0 | 0.99 | 50 |
| 230 | 2 | 237 | 150 | 71 | 1.12 | 50 | 1 | 222 | 100 | - | 0.91 | 0 | 3 | 223 | 100 | 0 | 0.91 | 33 |
| 260 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 237 | 150 | 71 | 1.12 | 50 |
| 270 | 3 | 274 | 210 | 17 | 1.02 | 100 | 1 | 265 | 200 | - | 1.07 | 100 | 1 | 265 | 200 | - | 1.07 | 100 |
| 280 | - | - | - | - | - | - | 1 | 278 | 250 | - | 1.16 | 100 | 4 | 275 | 220 | 24 | 1.05 | 100 |
| 290 | 2 | 294 | 275 | 35 | 1.08 | 100 | 3 | 283 | 258 | 19 | 1.14 | 100 | 3 | 283 | 258 | 19 | 1.14 | 100 |
| 300 | - | - | - | - | - | - | 1 | 290 | 300 | - | 1.23 | 100 | 3 | 293 | 283 | 29 | 1.13 | 100 |
| 310 | 1 | 314 | 300 | - | 0.97 | 100 | 2 | 304 | 350 | 0 | 1.25 | 100 | 2 | 304 | 350 | 0 | 1.25 | 100 |
| | | | | | | | - | - | - | - | - | - | 1 | 314 | 300 | - | 0.97 | 100 |
| TOTAL | 11 | | | | | | 11 | | | | | | 22 | | | | | |
| MEAN | | 257 | 187 | 82 | 1.04 | | | 268 | 230 | 94 | 1.12 | | | 262 | 208 | 89 | 1.08 | |

Table 40. Biological data by age group for round whitefish caught by tagging nets from South Henik Lake, 1980.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 4 | 3 | 214 | 26.4 | 92 | 14 | 0.95 | 100 | 3 | 218 | 4.0 | 100 | 0 | 0.97 | 33 | 6 | 216 | 17.0 | 96 | 10 | 0.96 | 60 |
| 5 | 5 | 260 | 27.9 | 190 | 55 | 1.07 | 60 | 1 | 282 | - | 280 | - | 1.25 | 100 | 6 | 264 | 26.6 | 205 | 61 | 1.10 | 67 |
| 6 | 1 | 278 | - | 230 | - | 1.07 | 100 | 6 | 288 | 14.7 | 283 | 61 | 1.16 | 100 | 7 | 287 | 13.9 | 275 | 59 | 1.15 | 100 |
| 7 | 2 | 305 | 12.7 | 300 | 0 | 1.06 | 100 | 1 | 278 | - | 250 | - | 1.16 | 100 | 3 | 296 | 18.0 | 283 | 29 | 1.10 | 100 |
| TOTAL | 11 | | | | | | | 11 | | | | | | | 22 | | | | | | |
| MEAN | | 257 | 39 | 187 | 82 | 1.04 | | | 268 | 33.7 | 230 | 94 | 1.12 | | | 262 | 36.0 | 208 | 89 | 1.08 | |
| MEAN AGE | 5.3 | | | | | | | | | | | | | | | | | | | | |

Table 41. Biological data by length interval for lake cisco caught by tagging nets from South Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 210 | 1 | 217 | 60 | - | 0.59 | 0 | 1 | 219 | 60 | - | 0.57 | 100 | 2 | 218 | 60 | 0 | 0.58 | 50 |
| 220 | - | - | - | - | - | - | 1 | 226 | 100 | - | 0.87 | 0 | 1 | 226 | 100 | - | 0.87 | 0 |
| 240 | 1 | 247 | 125 | - | 0.83 | 100 | 1 | 245 | 100 | - | 0.68 | 100 | 2 | 246 | 113 | 18 | 0.75 | 100 |
| 250 | 5 | 254 | 143 | 11 | 0.87 | 100 | 1 | 255 | 150 | - | 0.90 | 100 | 6 | 255 | 144 | 10 | 0.88 | 100 |
| 260 | 3 | 264 | 153 | 6 | 0.83 | 100 | 3 | 264 | 150 | 0 | 0.81 | 100 | 6 | 264 | 152 | 4 | 0.82 | 100 |
| TOTAL | 10 | | | | | | 7 | | | | | | 17 | | | | | |
| MEAN | | 253 | 136 | 29 | 0.83 | | | 248 | 123 | 36 | 0.78 | | | 251 | 131 | 32 | 0.81 | |

Table 42. Biological data by age group for lake cisco caught by tagging nets from South Henik Lake, 1980.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 2 | 237 | 28.3 | 93 | 46 | 0.66 | 50 | 4 | 238 | 19.0 | 103 | 37 | 0.74 | 75 | 6 | 238 | 19.4 | 99 | 36 | 0.71 | 67 |
| 6 | 4 | 254 | 5.9 | 141 | 12 | 0.86 | 100 | 1 | 267 | - | 150 | - | 0.79 | 100 | 5 | 257 | 7.8 | 143 | 11 | 0.85 | 100 |
| 7 | 2 | 266 | 2.8 | 155 | 7 | 0.82 | 100 | - | - | - | - | - | - | - | 2 | 266 | 2.8 | 155 | 7 | 0.82 | 100 |
| 8 | 1 | 253 | - | 150 | - | 0.93 | 100 | - | - | - | - | - | - | - | 1 | 253 | - | 150 | - | 0.93 | 100 |
| TOTAL | 9 | | | | | | | 5 | | | | | | | 14 | | | | | | |
| MEAN | | 253 | 15 | 134 | 30 | 0.82 | | | 244 | 21.0 | 112 | 38 | 0.75 | | | 250 | 17.1 | 126 | 34 | 0.79 | |
| MEAN AGE | 5.9 | | | | | | | | | | | | | | | | | | | | |

Table 43. Biological data by length interval for Arctic grayling caught by tagging nets from South Henik Lake, 1980.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT |
| 360 | 1 | 365 | 600 | - | 1.23 | 100 | - | - | - | - | - | - | 1 | 365 | 600 | - | 1.23 | 100 |
| TOTAL | 1 | | | | | | 0 | | | | | | 1 | | | | | |
| MEAN | | 365 | 600 | - | 1.23 | | | - | - | - | - | | | 365 | 600 | - | 1.23 | |

Table 44. Biological data by age group for Arctic grayling caught by tagging nets from South Henik Lake, 1980.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT |
| 7 | 1 | 365 | - | 600 | - | 1.23 | 100 | - | - | - | - | - | - | - | 1 | 365 | - | 600 | - | 1.23 | 100 |
| TOTAL | 1 | | | | | | | 0 | | | | | | | 1 | | | | | | |
| MEAN | | 365 | - | 600 | - | 1.23 | | | - | - | - | - | - | | | 365 | - | 600 | - | 1.23 | |
| MEAN AGE | 7.0 | | | | | | | | | | | | | | | | | | | | |

Table 45. Summary of information pertaining to lodge operation and creel census survey at Nueltin Lake, 1981.

| Location | Lodge Operation: Period | Duration (days) | No. of Guests: Estimated | No. of Guests: License Sales[1] | Angler-days[2] | Creel Census: Period | Duration (days): Total | Duration (days): Censused | No. Anglers | Angler-days | Angler-hours |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Treeline Lodge (Manitoba) | 13 June 12 September | 92 | 224[3] | NA | 1 472 | 27 June 8 August | 43 | 23 | 48[3] | 368[4] | NA |
| Nueltin Narrows Camp (N.W.T.) | 13 June 12 September | 92 | 84[5] | 123 | 473 | 27 June 8 August | 43 | 14 | 12 | 72 | NA |

[1] Provided by Dept. Renewable Resource, Government of Northwest Territories.
[2] Estimated from number anglers interviewed during creel census.
[3] Estimation based on 16 guests per week.
[4] Estimation based on an average of 16 anglers per day.
[5] Estimation based on an average of 6 guests per week.

Table 46. Observed catch, effort and catch/effort statistics of anglers during the creel census survey at Nueltin Lake, 1981.

| Location | Species | Catch: No. | Catch: Wt(Kg) | Angler effort: days | Angler effort: hours | Fish per angler: No. | Fish per angler: Wt(kg) | Fish per angler-day: No. | Fish per angler-day: Wt(kg) | Fish per angler-hour: No. | Fish per angler-hour: Wt(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Treeline Lodge (Manitoba) | lake trout[1] | 4 426 | 11 065) | 368 | NA | 92.2 | 230.5 | 12.0 | 30.1 | NA | NA |
| | northern pike[2] | 653 | 1 567) | | | 13.6 | 4.3 | 1.8 | 4.3 | NA | NA |
| | Arctic grayling | 14 | NA ) | | | 0.3 | NA | 0.4 | NA | NA | NA |
| Nueltin Narrows Camp (N.W.T.) | lake trout[1] | 1 006 | 2 515) | 72 | NA | 83.8 | 209.6 | 14.0 | 34.9 | NA | NA |
| | Arctic grayling | 15 | NA ) | | | 1.3 | NA | 0.2 | NA | NA | NA |
| Total | lake trout[1] | 5 432 | 13 580) | 440 | NA | 90.5 | 226.3 | 12.4 | 30.9 | NA | NA |
| | northern pike[2] | 653 | 1 567) | | | 10.9 | 26.1 | 1.5 | 3.6 | NA | NA |
| | Arctic grayling | 29 | NA ) | | | 0.5 | NA | <0.1 | NA | NA | NA |

[1] Mean weight = 2.5 kg.
[2] Mean weight = 2.4 kg.
NA = Not available.

Table 47. Summary of harvest statistics for Nueltin Lake, 1981.

| Location | Species | Census Harvest[1]: No. | Census Harvest[1]: Wt(kg) | Total Harvest[2]: No. | Total Harvest[2]: Wt(kg) | Harvest per Hectare fished: No. | Harvest per Hectare fished: Wt(kg) | Harvest per Hectare available: No. | Harvest per Hectare available: Wt(kg) | Harvest per Angler: No. | Harvest per Angler: Wt(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Treeline Lodge (Manitoba) | lake trout[3] | 578 | 1 445 | 3 389 | 8 474 | 0.80[6] | 2.00 | 0.05[6] | 0.11 | 15.1 | 37.8 |
| | northern pike[5] | 2 | 5 | 190 | 456 | 0.04 | 0.11 | <0.01 | 0.01 | 0.9 | 2.0 |
| | Arctic grayling | 0 | 0 | 4 | NA | <0.01 | NA | <0.01 | NA | <0.1 | NA |
| Nueltin Narrows Camp (N.W.T.) | lake trout[3] | 19 | 48 | 579 | 1 448 | 0.06 | 0.14 | <0.01 | 0.01 | 6.9 | 17.2 |
| | Arctic grayling | 0 | 0 | 7 | NA | <0.01 | NA | <0.01 | NA | 0.1 | NA |
| Total | lake trout[3] | 597 | 1 493 | 3 968 | 9 922[3] | 0.27 | 0.68 | 0.02 | 0.04 | 12.9 | 32.2 |
| | northern pike[5] | 2 | 5 | 190 | 456 | 0.01 | 0.03 | <0.01 | <0.01 | 0.6 | 1.5 |
| | Arctic grayling | 0 | 0 | 11 | NA | <0.01 | NA | <0.01 | NA | <0.1 | NA |

[1] Includes fish retained and shore lunches.
[2] Includes fish retained, shore lunches and release mortality (7%).
[3] Based on estimated number of guests.
[4] Mean weight = 2.5 kg.
[5] Mean weight = 2.4 kg.
[6] Areas only include that found south of 60°N latitude.
NA = not available.

Table 48. Biological data by length interval for angled lake trout from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT |
| 475 | 1 | 479 | 1250 | - | 1.14 | 100 | - | - | - | - | - | - | 1 | 479 | 1250 | - | 1.14 | 100 |
| 525 | - | - | - | - | - | - | 2 | 541 | 1825 | 389 | 1.15 | 100 | 2 | 541 | 1825 | 389 | 1.15 | 100 |
| 825 | 1 | 837 | 6650 | - | 1.13 | 100 | - | - | - | - | - | - | 1 | 837 | 6650 | - | 1.13 | 100 |
| 900 | 2 | 917 | 9425 | 601 | 1.22 | 100 | - | - | - | - | - | - | 3 | 913 | 8967 | 900 | 1.18 | 100 |
| 925 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 929 | 10750 | - | 1.34 | - |
| 950 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 957 | 11250 | - | 1.28 | - |
| 975 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 996 | 11950 | - | 1.21 | - |
| 1100 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1100 | 15000 | - | 1.13 | - |
| TOTAL | 4 | | | | | | 2 | | | | | | 11 | | | | | |
| MEAN | | 787 | 6688 | 3869 | 1.18 | | | 541 | 1825 | 389 | 1.15 | | | 829 | 7945 | 4593 | 1.19 | |



Table 49. Biological data by age group for angled lake trout from Nueltin Lake, 1981.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT |
| 13 | 1 | 479 | - | 1250 | - | 1.14 | 100 | 1 | 537 | - | 1550 | - | 1.00 | 100 | 2 | 508 | 41.0 | 1400 | 212 | 1.07 | 100 |
| 23 | - | - | - | - | - | - | - | 1 | 545 | - | 2100 | - | 1.30 | 100 | 1 | 545 | - | 2100 | - | 1.30 | 100 |
| TOTAL | 1 | | | | | | | 2 | | | | | | | 3 | | | | | | |
| MEAN | | 479 | - | 1250 | - | 1.14 | | | 541 | 5.7 | 1825 | 389 | 1.15 | | | 520 | 36.0 | 1633 | 431 | 1.15 | |
| MEAN AGE | 16.3 | | | | | | | | | | | | | | | | | | | | |

Table 50. Catch and catch per unit effort (CPE) data for fish caught by experimental gillnets from Nueltin Lake, 1981.

| | | Mesh Size | | | | | Total | |
|---|---|---|---|---|---|---|---|---|
| | | 1.5 (38) | 2.5 (64) | 3.5 (89) | 4.5 (114) | 5.5 (in) (139 (mm)) | Catch (kg) | CPE[1] |
| Lake trout | No. | 133 | 192 | 172 | 98 | 45 | 640 | 11.9 |
| | % | 20.8 | 30.0 | 26.9 | 15.3 | 7.0 | 34.0 | |
| Lake whitefish | No. | 77 | 131 | 152 | 71 | 42 | 473 | 8.8 |
| | % | 16.2 | 27.7 | 32.1 | 15.0 | 8.9 | 25.1 | |
| Round whitefish | No. | 16 | 28 | 2 | - | - | 46 | 0.9 |
| | % | 34.8 | 60.9 | 4.3 | - | - | 2.4 | |
| Cisco | No. | 351 | 58 | - | - | 1 | 410 | 7.6 |
| | % | 85.6 | 14.1 | - | - | 0.2 | 21.8 | |
| Northern Pike | No. | 1 | 4 | 3 | 1 | - | 9 | 0.2 |
| | % | 11.1 | 44.4 | 33.3 | 11.1 | - | 0.5 | |
| White Sucker | No. | 2 | 7 | 1 | 2 | - | 12 | 0.2 |
| | % | 16.7 | 58.3 | 8.3 | 16.7 | - | 0.6 | |
| Longnose Sucker | No. | 46 | 85 | 95 | 59 | 5 | 290 | 5.4 |
| | % | 15.9 | 29.3 | 32.8 | 20.3 | 1.7 | 15.4 | |
| Burbot | No. | 1 | 2 | - | - | - | 3 | <0.1 |
| | % | 33.3 | 66.7 | - | - | - | 0.2 | |
| Total | No. | 627 | 507 | 425 | 231 | 93 | 1883 | 35.0 |
| | % | 33.3 | 26.9 | 22.6 | 12.3 | 4.9 | | |

[1] No. fish per 100 m gillnet per 24 h.

Table 51. Biological data by length interval for lake trout caught by experimental nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 150 | 1 | 163 | 50 | - | 1.15 | 0 | - | - | - | - | - | - | 2 | 164 | 75 | 35 | 1.69 | 0 |
| 175 | 1 | 194 | 100 | - | 1.37 | 0 | 1 | 178 | 50 | - | 0.89 | 0 | 9 | 186 | 75 | 22 | 1.18 | 0 |
| 200 | 1 | 205 | 125 | - | 1.45 | 0 | 1 | 223 | 100 | - | 0.90 | 0 | 6 | 207 | 104 | 10 | 1.18 | 0 |
| 225 | 1 | 228 | 350 | - | 2.95 | 0 | 2 | 234 | 138 | 18 | 1.08 | 0 | 3 | 232 | 208 | 123 | 1.70 | 0 |
| 250 | - | - | - | - | - | - | 1 | 265 | 350 | - | 1.88 | 0 | 1 | 265 | 350 | - | 1.88 | 0 |
| 275 | 5 | 289 | 300 | 35 | 1.24 | 0 | 9 | 288 | 267 | 43 | 1.12 | 0 | 14 | 288 | 279 | 43 | 1.16 | 0 |
| 300 | 11 | 309 | 357 | 45 | 1.20 | 0 | 9 | 315 | 317 | 66 | 1.02 | 0 | 20 | 312 | 339 | 58 | 1.12 | 0 |
| 325 | 12 | 337 | 504 | 162 | 1.32 | 8 | 16 | 334 | 423 | 62 | 1.13 | 6 | 28 | 336 | 458 | 120 | 1.21 | 7 |
| 350 | 19 | 363 | 524 | 56 | 1.09 | 11 | 17 | 364 | 534 | 75 | 1.10 | 6 | 36 | 364 | 528 | 65 | 1.10 | 8 |
| 375 | 14 | 385 | 632 | 61 | 1.11 | 36 | 17 | 385 | 631 | 79 | 1.11 | 18 | 31 | 385 | 631 | 70 | 1.11 | 26 |
| 400 | 14 | 416 | 816 | 82 | 1.12 | 14 | 16 | 412 | 822 | 108 | 1.18 | 31 | 30 | 415 | 820 | 95 | 1.15 | 23 |
| 425 | 8 | 439 | 956 | 98 | 1.14 | 63 | 8 | 438 | 963 | 74 | 1.15 | 75 | 16 | 438 | 959 | 84 | 1.14 | 69 |
| 450 | 13 | 461 | 1138 | 165 | 1.16 | 62 | 15 | 463 | 1113 | 151 | 1.13 | 87 | 28 | 462 | 1125 | 155 | 1.14 | 75 |
| 475 | 18 | 488 | 1369 | 191 | 1.18 | 78 | 20 | 486 | 1348 | 230 | 1.17 | 85 | 38 | 487 | 1358 | 210 | 1.17 | 82 |
| 500 | 15 | 512 | 1563 | 315 | 1.17 | 93 | 20 | 512 | 1563 | 271 | 1.16 | 100 | 35 | 512 | 1563 | 286 | 1.17 | 97 |
| 525 | 19 | 538 | 1803 | 265 | 1.16 | 100 | 12 | 535 | 1813 | 251 | 1.18 | 92 | 31 | 537 | 1806 | 256 | 1.17 | 97 |
| 550 | 14 | 564 | 1946 | 255 | 1.08 | 100 | 15 | 561 | 2200 | 400 | 1.25 | 100 | 29 | 562 | 2078 | 356 | 1.17 | 100 |
| 575 | 17 | 586 | 2065 | 203 | 1.03 | 100 | 14 | 588 | 2243 | 405 | 1.10 | 100 | 31 | 587 | 2145 | 318 | 1.06 | 100 |
| 600 | 14 | 611 | 2432 | 343 | 1.06 | 100 | 14 | 612 | 2386 | 251 | 1.04 | 100 | 28 | 611 | 2409 | 296 | 1.05 | 100 |
| 625 | 13 | 636 | 2738 | 354 | 1.06 | 100 | 7 | 638 | 2729 | 180 | 1.05 | 100 | 20 | 637 | 2735 | 299 | 1.06 | 100 |
| 650 | 16 | 664 | 2972 | 765 | 1.01 | 100 | 11 | 661 | 2905 | 267 | 1.01 | 100 | 27 | 663 | 2944 | 605 | 1.01 | 100 |
| 675 | 14 | 687 | 3479 | 344 | 1.07 | 100 | 17 | 688 | 3352 | 309 | 1.03 | 100 | 31 | 687 | 3409 | 326 | 1.05 | 100 |
| 700 | 12 | 710 | 3638 | 343 | 1.02 | 100 | 10 | 713 | 3705 | 344 | 1.02 | 100 | 22 | 711 | 3668 | 337 | 1.02 | 100 |
| 725 | 11 | 736 | 4359 | 637 | 1.09 | 100 | 8 | 738 | 4288 | 751 | 1.07 | 100 | 19 | 737 | 4329 | 668 | 1.08 | 100 |
| 750 | 15 | 762 | 4990 | 496 | 1.13 | 100 | 14 | 763 | 4861 | 628 | 1.10 | 100 | 29 | 762 | 4928 | 557 | 1.11 | 100 |
| 775 | 7 | 786 | 5200 | 379 | 1.07 | 100 | 12 | 787 | 5088 | 549 | 1.04 | 100 | 19 | 787 | 5129 | 485 | 1.05 | 100 |
| 800 | 12 | 810 | 6117 | 675 | 1.15 | 100 | 6 | 810 | 5325 | 606 | 1.00 | 100 | 18 | 810 | 5853 | 742 | 1.10 | 100 |
| 825 | 13 | 838 | 6865 | 679 | 1.17 | 100 | 8 | 835 | 6300 | 1148 | 1.08 | 100 | 21 | 837 | 6650 | 904 | 1.14 | 100 |
| 850 | 5 | 858 | 6980 | 911 | 1.10 | 100 | 2 | 867 | 7075 | 318 | 1.09 | 100 | 7 | 861 | 7007 | 757 | 1.10 | 100 |
| 875 | 4 | 889 | 8050 | 1258 | 1.15 | 100 | 4 | 886 | 8188 | 397 | 1.18 | 100 | 8 | 887 | 8119 | 866 | 1.16 | 100 |
| 900 | 2 | 917 | 8375 | 955 | 1.09 | 100 | 4 | 911 | 7600 | 1411 | 1.01 | 100 | 6 | 913 | 7858 | 1240 | 1.03 | 100 |
| 925 | 3 | 933 | 8450 | 1788 | 1.04 | 100 | 1 | 932 | 10100 | - | 1.25 | 100 | 4 | 933 | 8863 | 1677 | 1.10 | 100 |
| 950 | 1 | 957 | 12750 | - | 1.45 | 100 | - | - | - | - | - | - | 1 | 957 | 12750 | - | 1.45 | 100 |
| 975 | - | - | - | - | - | - | 1 | 985 | 11900 | - | 1.25 | 100 | 1 | 985 | 11900 | - | 1.25 | 100 |
| 1050 | 1 | 1053 | 10200 | - | 0.87 | 100 | - | - | - | - | - | - | 1 | 1053 | 10200 | - | 0.87 | 100 |
| TOTAL | 326 | | | | | | 312 | | | | | | 650 | | | | | |
| MEAN | | 575 | 2678 | 2240 | 1.13 | | | 552 | 2366 | 2036 | 1.11 | | | 557 | 2480 | 2152 | 1.12 | |

Table 52. Biological data by age group for lake trout caught by experimental nets from Nueltin Lake, 1981.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 2 | 179 | 21.9 | 75 | 35 | 1.26 | 0 | 1 | 178 | - | 50 | - | 0.89 | 0 | 6 | 177 | 11.6 | 79 | 25 | 1.43 | 0 |
| 6 | 2 | 250 | 62.9 | 238 | 159 | 1.41 | 0 | - | - | - | - | - | - | - | 10 | 205 | 32.6 | 113 | 87 | 1.18 | 0 |
| 7 | 3 | 298 | 16.8 | 333 | 104 | 1.24 | 0 | 4 | 267 | 43.3 | 219 | 103 | 1.09 | 0 | 8 | 271 | 42.7 | 247 | 120 | 1.15 | 0 |
| 8 | 5 | 331 | 35.1 | 405 | 87 | 1.12 | 0 | 10 | 289 | 28.6 | 260 | 84 | 1.08 | 0 | 15 | 303 | 36.0 | 308 | 108 | 1.09 | 0 |
| 9 | 6 | 334 | 36.7 | 433 | 144 | 1.13 | 0 | 10 | 331 | 37.7 | 410 | 139 | 1.09 | 0 | 16 | 332 | 36.1 | 419 | 136 | 1.11 | 0 |
| 10 | 11 | 350 | 42.0 | 495 | 142 | 1.14 | 9 | 7 | 360 | 41.6 | 518 | 153 | 1.09 | 0 | 18 | 354 | 40.9 | 504 | 143 | 1.12 | 6 |
| 11 | 23 | 376 | 60.8 | 635 | 242 | 1.21 | 9 | 20 | 367 | 46.2 | 586 | 236 | 1.14 | 15 | 43 | 372 | 54.1 | 612 | 238 | 1.18 | 12 |
| 12 | 15 | 398 | 65.8 | 767 | 393 | 1.13 | 27 | 18 | 388 | 50.0 | 685 | 313 | 1.11 | 22 | 33 | 393 | 57.0 | 722 | 348 | 1.12 | 24 |
| 13 | 14 | 442 | 75.8 | 1014 | 514 | 1.09 | 50 | 21 | 443 | 71.5 | 1032 | 521 | 1.11 | 48 | 35 | 442 | 72.1 | 1025 | 511 | 1.11 | 49 |
| 14 | 15 | 483 | 57.4 | 1313 | 409 | 1.14 | 80 | 17 | 431 | 45.6 | 910 | 268 | 1.12 | 59 | 32 | 455 | 57.0 | 1099 | 393 | 1.13 | 69 |
| 15 | 11 | 475 | 82.4 | 1282 | 684 | 1.11 | 64 | 7 | 473 | 46.3 | 1314 | 468 | 1.20 | 86 | 18 | 474 | 69.0 | 1294 | 594 | 1.15 | 72 |
| 16 | 7 | 514 | 109.7 | 1686 | 860 | 1.26 | 86 | 7 | 440 | 81.4 | 1143 | 809 | 1.18 | 71 | 14 | 477 | 100.5 | 1414 | 850 | 1.22 | 79 |
| 17 | 10 | 523 | 97.8 | 1735 | 947 | 1.09 | 80 | 13 | 519 | 52.2 | 1600 | 527 | 1.12 | 92 | 23 | 521 | 73.5 | 1659 | 723 | 1.11 | 87 |
| 18 | 17 | 532 | 77.5 | 1779 | 749 | 1.14 | 88 | 14 | 569 | 96.5 | 2202 | 942 | 1.15 | 93 | 31 | 549 | 87.1 | 1970 | 854 | 1.14 | 90 |
| 19 | 17 | 573 | 74.3 | 2103 | 714 | 1.11 | 100 | 19 | 577 | 69.2 | 2137 | 696 | 1.08 | 100 | 36 | 575 | 70.6 | 2121 | 695 | 1.10 | 100 |
| 20 | 14 | 600 | 106.7 | 2511 | 1317 | 1.07 | 86 | 14 | 613 | 79.1 | 2400 | 778 | 1.03 | 100 | 28 | 607 | 92.4 | 2455 | 1063 | 1.05 | 93 |
| 21 | 15 | 615 | 75.1 | 2660 | 773 | 1.13 | 100 | 14 | 585 | 92.2 | 2429 | 887 | 1.20 | 93 | 29 | 600 | 83.7 | 2548 | 823 | 1.16 | 97 |
| 22 | 15 | 631 | 97.8 | 2923 | 1252 | 1.10 | 100 | 17 | 610 | 97.5 | 2759 | 1153 | 1.18 | 100 | 32 | 620 | 96.6 | 2836 | 1184 | 1.14 | 100 |
| 23 | 24 | 651 | 81.5 | 3213 | 1350 | 1.13 | 100 | 18 | 678 | 77.2 | 3442 | 1055 | 1.09 | 100 | 42 | 663 | 79.9 | 3311 | 1223 | 1.11 | 100 |
| 24 | 22 | 680 | 121.1 | 3759 | 1811 | 1.12 | 100 | 14 | 683 | 108.2 | 3439 | 1561 | 1.03 | 100 | 36 | 681 | 114.7 | 3635 | 1702 | 1.08 | 100 |
| 25 | 15 | 713 | 110.9 | 4113 | 2086 | 1.05 | 100 | 11 | 675 | 71.1 | 3647 | 1214 | 1.15 | 100 | 26 | 697 | 96.2 | 3916 | 1756 | 1.10 | 100 |
| 26 | 11 | 768 | 91.4 | 5209 | 2174 | 1.10 | 100 | 8 | 775 | 82.3 | 5181 | 1682 | 1.07 | 100 | 19 | 771 | 85.4 | 5197 | 1930 | 1.08 | 100 |
| 27 | 9 | 753 | 48.1 | 4800 | 1302 | 1.10 | 100 | 7 | 698 | 77.2 | 3421 | 1090 | 0.99 | 100 | 16 | 729 | 66.4 | 4197 | 1370 | 1.05 | 100 |
| 28 | 7 | 637 | 114.5 | 2893 | 1646 | 1.04 | 100 | 9 | 755 | 37.1 | 4794 | 905 | 1.10 | 100 | 16 | 703 | 98.0 | 3963 | 1572 | 1.08 | 100 |
| 29 | 9 | 774 | 81.6 | 5317 | 2078 | 1.09 | 100 | 7 | 780 | 51.7 | 5400 | 1473 | 1.12 | 100 | 16 | 776 | 68.1 | 5353 | 1781 | 1.10 | 100 |
| 30 | 7 | 819 | 100.1 | 7029 | 3293 | 1.20 | 100 | 4 | 814 | 53.1 | 5963 | 1604 | 1.09 | 100 | 11 | 817 | 82.8 | 6641 | 2751 | 1.16 | 100 |
| 31 | 4 | 849 | 13.4 | 6938 | 350 | 1.14 | 100 | 2 | 750 | 43.1 | 4375 | 318 | 1.04 | 100 | 6 | 816 | 55.9 | 6083 | 1358 | 1.10 | 100 |
| 32 | 4 | 792 | 32.4 | 5688 | 657 | 1.14 | 100 | 2 | 868 | 60.1 | 6800 | 212 | 1.05 | 100 | 6 | 817 | 53.8 | 6058 | 774 | 1.11 | 100 |
| 33 | 2 | 843 | 20.5 | 7025 | 742 | 1.17 | 100 | 2 | 902 | 23.3 | 8375 | 955 | 1.14 | 100 | 4 | 872 | 38.5 | 7700 | 1046 | 1.16 | 100 |
| 34 | 2 | 837 | 31.8 | 7275 | 1167 | 1.24 | 100 | - | - | - | - | - | - | - | 2 | 837 | 31.8 | 7275 | 1167 | 1.24 | 100 |
| 35 | 1 | 843 | - | 8400 | - | 1.40 | 100 | - | - | - | - | - | - | - | 1 | 843 | - | 8400 | - | 1.40 | 100 |
| 36 | 1 | 918 | - | 7700 | - | 1.00 | 100 | 3 | 847 | 30.7 | 6467 | 2013 | 1.05 | 100 | 4 | 865 | 43.6 | 6775 | 1756 | 1.04 | 100 |
| 37 | - | - | - | - | - | - | - | 1 | 799 | - | 4800 | - | 0.94 | 100 | 1 | 799 | - | 4800 | - | 0.94 | 100 |
| 39 | 1 | 819 | - | 7100 | - | 1.29 | 100 | - | - | - | - | - | - | - | 1 | 819 | - | 7100 | - | 1.29 | 100 |
| 40 | 1 | 930 | - | 8700 | - | 1.08 | 100 | 1 | 985 | - | 11900 | - | 1.25 | 100 | 2 | 958 | 38.9 | 10300 | 2263 | 1.16 | 100 |
| 41 | - | - | - | - | - | - | - | 1 | 932 | - | 10100 | - | 1.25 | 100 | 1 | 932 | - | 10100 | - | 1.25 | 100 |
| 42 | - | - | - | - | - | - | - | 1 | 904 | - | 8450 | - | 1.14 | 100 | 1 | 904 | - | 8450 | - | 1.14 | 100 |
| 44 | 1 | 828 | - | 5500 | - | 0.97 | 100 | - | - | - | - | - | - | - | 1 | 828 | - | 5500 | - | 0.97 | 100 |
| 46 | - | - | - | - | - | - | - | 1 | 869 | - | 6850 | - | 1.04 | 100 | 1 | 869 | - | 6850 | - | 1.04 | 100 |
| 47 | - | - | - | - | - | - | - | 1 | 910 | - | 5950 | - | 0.79 | 100 | 1 | 910 | - | 5950 | - | 0.79 | 100 |
| 49 | 1 | 1053 | - | 10200 | - | 0.87 | 100 | - | - | - | - | - | - | - | 1 | 1053 | - | 10200 | - | 0.87 | 100 |
| 53 | 1 | 945 | - | 6550 | - | 0.78 | 100 | - | - | - | - | - | - | - | 1 | 945 | - | 6550 | - | 0.78 | 100 |
| TOTAL | 325 | | | | | | | 306 | | | | | | | 643 | | | | | | |
| MEAN | | 576 | 173 | 2684 | 2241 | 1.13 | | | 552 | 171.3 | 2364 | 2022 | 1.11 | | | 557 | 178.3 | 2483 | 2147 | 1.12 | |
| MEAN AGE | 19.0 | | | | | | | | | | | | | | | | | | | | |

Table 53. Biological data by length interval for lake whitefish caught by experimental nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 150 | 1 | 158 | 100 | - | 2.54 | 0 | - | - | - | - | - | - | 1 | 158 | 100 | - | 2.54 | 0 |
| 160 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 164 | 75 | 35 | 1.70 | 0 |
| 170 | 1 | 172 | 100 | - | 1.97 | 0 | 1 | 174 | 75 | - | 1.42 | 0 | 4 | 172 | 69 | 24 | 1.34 | 0 |
| 180 | 6 | 185 | 71 | 25 | 1.14 | 0 | 3 | 183 | 75 | 0 | 1.23 | 0 | 14 | 185 | 77 | 21 | 1.21 | 0 |
| 190 | 3 | 193 | 117 | 29 | 1.61 | 0 | 4 | 193 | 88 | 14 | 1.21 | 0 | 12 | 194 | 94 | 24 | 1.28 | 0 |
| 200 | 5 | 205 | 140 | 89 | 1.64 | 0 | - | - | - | - | - | - | 10 | 205 | 115 | 67 | 1.35 | 0 |
| 210 | 2 | 213 | 100 | 0 | 1.04 | 0 | 1 | 219 | 100 | - | 0.95 | 0 | 4 | 214 | 106 | 13 | 1.08 | 0 |
| 220 | 2 | 228 | 150 | 0 | 1.27 | 0 | 1 | 228 | 200 | - | 1.69 | 0 | 4 | 226 | 150 | 41 | 1.29 | 0 |
| 230 | 4 | 235 | 150 | 41 | 1.16 | 0 | 1 | 238 | 150 | - | 1.11 | 0 | 5 | 236 | 150 | 35 | 1.15 | 0 |
| 240 | 2 | 244 | 150 | 0 | 1.04 | 0 | 1 | 248 | 200 | - | 1.31 | 0 | 4 | 244 | 163 | 25 | 1.12 | 0 |
| 250 | 1 | 259 | 250 | - | 1.44 | 0 | 1 | 253 | 200 | - | 1.24 | 0 | 3 | 257 | 217 | 29 | 1.28 | 0 |
| 260 | 6 | 265 | 233 | 26 | 1.25 | 0 | 1 | 264 | 200 | - | 1.09 | 0 | 8 | 265 | 231 | 26 | 1.24 | 0 |
| 270 | 1 | 270 | 200 | - | 1.02 | 0 | - | - | - | - | - | - | 2 | 273 | 225 | 35 | 1.10 | 0 |
| 280 | 5 | 284 | 270 | 45 | 1.18 | 20 | 1 | 288 | 300 | - | 1.26 | 0 | 6 | 285 | 275 | 42 | 1.19 | 17 |
| 290 | 5 | 296 | 300 | 35 | 1.16 | 0 | 3 | 291 | 283 | 29 | 1.15 | 0 | 8 | 294 | 294 | 32 | 1.15 | 0 |
| 300 | 2 | 304 | 325 | 35 | 1.16 | 0 | 4 | 305 | 375 | 65 | 1.32 | 0 | 6 | 304 | 358 | 58 | 1.27 | 0 |
| 310 | 8 | 316 | 369 | 53 | 1.17 | 13 | 5 | 315 | 430 | 27 | 1.37 | 20 | 13 | 315 | 392 | 53 | 1.25 | 15 |
| 320 | 8 | 324 | 447 | 34 | 1.31 | 13 | 6 | 325 | 392 | 38 | 1.15 | 17 | 14 | 324 | 423 | 44 | 1.24 | 14 |
| 330 | 6 | 335 | 483 | 41 | 1.29 | 0 | 7 | 333 | 447 | 30 | 1.21 | 43 | 13 | 334 | 464 | 39 | 1.24 | 23 |
| 340 | 10 | 344 | 505 | 44 | 1.25 | 20 | 6 | 346 | 508 | 58 | 1.23 | 50 | 16 | 344 | 506 | 48 | 1.24 | 31 |
| 350 | 3 | 354 | 583 | 58 | 1.31 | 67 | 5 | 357 | 600 | 35 | 1.32 | 80 | 9 | 355 | 578 | 62 | 1.29 | 67 |
| 360 | 6 | 367 | 608 | 49 | 1.23 | 17 | 4 | 363 | 663 | 95 | 1.38 | 25 | 10 | 365 | 630 | 71 | 1.29 | 20 |
| 370 | 3 | 372 | 667 | 76 | 1.30 | 33 | 5 | 373 | 590 | 114 | 1.14 | 60 | 8 | 372 | 619 | 103 | 1.20 | 50 |
| 380 | 1 | 382 | 700 | - | 1.26 | 100 | 3 | 384 | 750 | 50 | 1.32 | 67 | 4 | 384 | 738 | 48 | 1.30 | 75 |
| 390 | 2 | 393 | 775 | 106 | 1.28 | 100 | 3 | 394 | 850 | 87 | 1.39 | 100 | 5 | 393 | 820 | 91 | 1.35 | 100 |
| 400 | 4 | 404 | 850 | 82 | 1.29 | 100 | 2 | 406 | 975 | 106 | 1.46 | 50 | 6 | 405 | 892 | 102 | 1.35 | 83 |
| 410 | 3 | 414 | 917 | 76 | 1.29 | 67 | 2 | 416 | 950 | 141 | 1.32 | 100 | 5 | 415 | 930 | 91 | 1.30 | 80 |
| 420 | 6 | 425 | 1042 | 86 | 1.36 | 50 | 9 | 425 | 1044 | 118 | 1.36 | 100 | 15 | 425 | 1043 | 103 | 1.36 | 80 |
| 430 | 4 | 435 | 1063 | 48 | 1.29 | 50 | 1 | 430 | 1050 | - | 1.32 | 100 | 5 | 434 | 1060 | 42 | 1.30 | 60 |
| 440 | 2 | 442 | 1200 | 71 | 1.39 | 100 | 3 | 443 | 1233 | 76 | 1.42 | 100 | 5 | 443 | 1220 | 67 | 1.41 | 100 |
| 450 | 2 | 457 | 1175 | 177 | 1.23 | 50 | 3 | 453 | 1183 | 58 | 1.27 | 100 | 5 | 455 | 1180 | 97 | 1.25 | 80 |
| 460 | 4 | 464 | 1313 | 75 | 1.31 | 100 | 2 | 465 | 1525 | 35 | 1.52 | 100 | 6 | 464 | 1383 | 125 | 1.38 | 100 |
| 470 | 2 | 477 | 1500 | 0 | 1.39 | 100 | 4 | 475 | 1563 | 333 | 1.46 | 100 | 6 | 475 | 1542 | 260 | 1.43 | 100 |
| 480 | 5 | 487 | 1580 | 91 | 1.37 | 100 | 5 | 484 | 1550 | 166 | 1.37 | 100 | 10 | 485 | 1565 | 127 | 1.37 | 100 |
| 490 | 4 | 496 | 1738 | 155 | 1.42 | 100 | 2 | 493 | 1625 | 35 | 1.36 | 100 | 6 | 495 | 1700 | 134 | 1.40 | 100 |
| 500 | 17 | 505 | 1791 | 184 | 1.39 | 100 | 15 | 505 | 1860 | 163 | 1.45 | 100 | 32 | 505 | 1823 | 175 | 1.42 | 100 |
| 510 | 18 | 514 | 1911 | 157 | 1.41 | 100 | 9 | 515 | 1989 | 232 | 1.46 | 100 | 27 | 514 | 1937 | 184 | 1.42 | 100 |
| 520 | 27 | 525 | 2022 | 157 | 1.40 | 100 | 14 | 525 | 1975 | 127 | 1.36 | 100 | 41 | 525 | 2006 | 148 | 1.39 | 100 |
| 530 | 11 | 535 | 2164 | 132 | 1.41 | 100 | 21 | 535 | 2193 | 213 | 1.43 | 100 | 32 | 535 | 2183 | 187 | 1.42 | 100 |
| 540 | 14 | 545 | 2300 | 116 | 1.42 | 100 | 21 | 544 | 2307 | 246 | 1.43 | 100 | 35 | 544 | 2304 | 202 | 1.43 | 100 |
| 550 | 3 | 553 | 2317 | 153 | 1.37 | 100 | 16 | 555 | 2394 | 205 | 1.40 | 100 | 19 | 554 | 2382 | 196 | 1.40 | 100 |
| 560 | 6 | 566 | 2558 | 199 | 1.41 | 100 | 11 | 565 | 2600 | 312 | 1.45 | 100 | 17 | 565 | 2585 | 271 | 1.43 | 100 |
| 570 | 4 | 575 | 2625 | 166 | 1.38 | 100 | 7 | 574 | 2614 | 366 | 1.39 | 100 | 11 | 574 | 2618 | 298 | 1.38 | 100 |
| 580 | 1 | 581 | 2700 | - | 1.38 | 100 | 7 | 584 | 2886 | 432 | 1.45 | 100 | 8 | 584 | 2863 | 405 | 1.44 | 100 |
| 590 | 1 | 598 | 3150 | - | 1.47 | 100 | - | - | - | - | - | - | 1 | 598 | 3150 | - | 1.47 | 100 |
| 600 | - | - | - | - | - | - | 1 | 601 | 3350 | - | 1.54 | 100 | 1 | 601 | 3350 | - | 1.54 | 100 |
| 610 | - | - | - | - | - | - | 1 | 613 | 3150 | - | 1.37 | 100 | 1 | 613 | 3150 | - | 1.37 | 100 |
| 620 | - | - | - | - | - | - | 1 | 625 | 3550 | - | 1.45 | 100 | 1 | 625 | 3550 | - | 1.45 | 100 |
| 630 | - | - | - | - | - | - | 1 | 630 | 4250 | - | 1.70 | 100 | 1 | 630 | 4250 | - | 1.70 | 100 |
| 660 | 1 | 666 | 4250 | - | 1.44 | 100 | - | - | - | - | - | - | 1 | 666 | 4250 | - | 1.44 | 100 |
| TOTAL | 232 | | | | | | 224 | | | | | | 482 | | | | | |
| MEAN | | 422 | 1273 | 867 | 1.34 | | | 462 | 1598 | 910 | 1.37 | | | 429 | 1362 | 927 | 1.35 | |

Table 54. Biological data by age group for lake whitefish caught by experimental nets from Nueltin Lake, 1981.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 182 | 9.3 | 100 | 0 | 1.67 | 0 | 3 | 183 | 3.0 | 75 | 0 | 1.23 | 0 | 11 | 186 | 10.2 | 86 | 17 | 1.34 | 0 |
| 3 | 5 | 186 | 5.8 | 70 | 27 | 1.09 | 0 | 2 | 185 | 14.8 | 88 | 18 | 1.39 | 0 | 15 | 185 | 11.0 | 80 | 24 | 1.26 | 0 |
| 4 | 9 | 222 | 24.5 | 131 | 53 | 1.15 | 0 | 4 | 214 | 22.9 | 131 | 55 | 1.30 | 0 | 18 | 215 | 22.0 | 118 | 51 | 1.14 | 0 |
| 5 | 6 | 262 | 34.4 | 208 | 74 | 1.12 | 0 | 3 | 224 | 37.3 | 125 | 66 | 1.04 | 0 | 15 | 256 | 41.7 | 202 | 97 | 1.12 | 0 |
| 6 | 14 | 295 | 58.1 | 382 | 241 | 1.46 | 14 | 6 | 313 | 25.6 | 400 | 122 | 1.27 | 17 | 20 | 301 | 50.5 | 388 | 209 | 1.40 | 15 |
| 7 | 16 | 322 | 28.7 | 420 | 133 | 1.22 | 0 | 21 | 339 | 53.5 | 537 | 412 | 1.24 | 10 | 37 | 332 | 44.8 | 486 | 324 | 1.23 | 5 |
| 8 | 13 | 353 | 43.2 | 581 | 346 | 1.23 | 31 | 3 | 397 | 64.7 | 917 | 501 | 1.32 | 67 | 16 | 361 | 48.6 | 644 | 384 | 1.25 | 38 |
| 9 | 6 | 349 | 43.8 | 583 | 244 | 1.31 | 17 | 12 | 359 | 52.1 | 646 | 411 | 1.29 | 58 | 18 | 355 | 48.4 | 625 | 357 | 1.30 | 44 |
| 10 | 7 | 373 | 44.9 | 693 | 237 | 1.29 | 29 | 14 | 407 | 43.2 | 964 | 398 | 1.37 | 93 | 21 | 396 | 45.5 | 874 | 370 | 1.34 | 71 |
| 11 | 12 | 429 | 53.5 | 1058 | 414 | 1.28 | 75 | 11 | 430 | 47.1 | 1123 | 385 | 1.36 | 91 | 23 | 429 | 49.4 | 1089 | 393 | 1.32 | 83 |
| 12 | 7 | 397 | 47.8 | 836 | 359 | 1.27 | 57 | 7 | 459 | 48.9 | 1379 | 501 | 1.37 | 100 | 14 | 428 | 56.5 | 1107 | 505 | 1.32 | 79 |
| 13 | 7 | 495 | 63.3 | 1800 | 624 | 1.40 | 100 | 5 | 500 | 33.4 | 1870 | 456 | 1.48 | 100 | 12 | 497 | 50.9 | 1829 | 538 | 1.43 | 100 |
| 14 | 13 | 498 | 45.1 | 1792 | 455 | 1.42 | 100 | 15 | 518 | 37.9 | 1993 | 395 | 1.43 | 100 | 28 | 509 | 41.8 | 1900 | 428 | 1.42 | 100 |
| 15 | 24 | 519 | 30.8 | 1988 | 362 | 1.41 | 100 | 19 | 534 | 37.5 | 2174 | 460 | 1.41 | 100 | 43 | 525 | 34.3 | 2070 | 414 | 1.41 | 100 |
| 16 | 24 | 516 | 39.9 | 1917 | 431 | 1.37 | 96 | 24 | 542 | 33.4 | 2167 | 437 | 1.35 | 100 | 48 | 529 | 38.6 | 2042 | 448 | 1.36 | 98 |
| 17 | 14 | 525 | 23.5 | 2032 | 309 | 1.40 | 100 | 20 | 543 | 28.6 | 2290 | 480 | 1.41 | 100 | 34 | 535 | 27.8 | 2184 | 432 | 1.41 | 100 |
| 18 | 10 | 528 | 26.1 | 2135 | 385 | 1.44 | 100 | 16 | 541 | 10.4 | 2325 | 306 | 1.47 | 100 | 26 | 536 | 18.6 | 2252 | 344 | 1.46 | 100 |
| 19 | 6 | 567 | 59.8 | 2650 | 921 | 1.41 | 100 | 10 | 553 | 21.3 | 2425 | 501 | 1.42 | 100 | 16 | 558 | 38.9 | 2509 | 668 | 1.41 | 100 |
| 20 | 3 | 549 | 25.0 | 2300 | 265 | 1.39 | 100 | 4 | 546 | 15.3 | 2363 | 333 | 1.45 | 100 | 7 | 547 | 18.1 | 2336 | 282 | 1.43 | 100 |
| 21 | 3 | 542 | 27.2 | 2200 | 589 | 1.36 | 100 | 2 | 628 | 3.5 | 3900 | 495 | 1.58 | 100 | 5 | 576 | 50.8 | 2880 | 1050 | 1.45 | 100 |
| 22 | 1 | 567 | - | 2250 | - | 1.23 | 100 | - | - | - | - | - | - | - | 1 | 567 | - | 2250 | - | 1.23 | 100 |
| TOTAL | 203 | | | | | | | 201 | | | | | | | 428 | | | | | | |
| MEAN | | 425 | 118 | 1284 | 870 | 1.34 | | | 460 | 109.8 | 1582 | 908 | 1.37 | | | 429 | 124.4 | 1359 | 925 | 1.34 | |
| MEAN AGE | 11.9 | | | | | | | | | | | | | | | | | | | | |

Table 55. Biological data by length interval for round whitefish caught by experimental nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 190 | 3 | 196 | 58 | 14 | 0.78 | 0 | 1 | 190 | 50 | - | 0.73 | 0 | 4 | 194 | 56 | 13 | 0.77 | 0 |
| 200 | - | - | - | - | - | - | 3 | 208 | 58 | 14 | 0.65 | 0 | 3 | 208 | 58 | 14 | 0.65 | 0 |
| 230 | 1 | 231 | 50 | - | 0.41 | 0 | 2 | 235 | 125 | 35 | 0.97 | 50 | 3 | 233 | 100 | 50 | 0.78 | 33 |
| 240 | 2 | 246 | 150 | 0 | 1.01 | 0 | - | - | - | - | - | - | 2 | 246 | 150 | 0 | 1.01 | 0 |
| 260 | 3 | 266 | 183 | 29 | 0.97 | 33 | - | - | - | - | - | - | 3 | 266 | 183 | 29 | 0.97 | 33 |
| 270 | 1 | 276 | 200 | - | 0.95 | 0 | - | - | - | - | - | - | 1 | 276 | 200 | - | 0.95 | 0 |
| 280 | 1 | 283 | 250 | - | 1.10 | 100 | - | - | - | - | - | - | 1 | 283 | 250 | - | 1.10 | 100 |
| 300 | 4 | 306 | 325 | 50 | 1.13 | 50 | 1 | 305 | 300 | - | 1.06 | 100 | 6 | 305 | 317 | 41 | 1.11 | 50 |
| 310 | - | - | - | - | - | - | 3 | 313 | 350 | 50 | 1.14 | 100 | 3 | 313 | 350 | 50 | 1.14 | 100 |
| 320 | 2 | 326 | 425 | 35 | 1.23 | 100 | 4 | 321 | 363 | 48 | 1.10 | 100 | 6 | 322 | 383 | 52 | 1.14 | 100 |
| 330 | 3 | 334 | 383 | 29 | 1.03 | 100 | 2 | 337 | 450 | 71 | 1.18 | 50 | 5 | 335 | 410 | 55 | 1.09 | 80 |
| 340 | - | - | - | - | - | - | 1 | 342 | 450 | - | 1.12 | 100 | 1 | 342 | 450 | - | 1.12 | 100 |
| 350 | - | - | - | - | - | - | 3 | 351 | 517 | 29 | 1.19 | 100 | 3 | 351 | 517 | 29 | 1.19 | 100 |
| 360 | 2 | 361 | 450 | 71 | 0.96 | 100 | 2 | 364 | 525 | 35 | 1.09 | 100 | 4 | 362 | 488 | 63 | 1.03 | 100 |
| 370 | - | - | - | - | - | - | 1 | 374 | 650 | - | 1.24 | 100 | 1 | 374 | 650 | - | 1.24 | 100 |
| 390 | - | - | - | - | - | - | 1 | 395 | 750 | - | 1.22 | 100 | 1 | 395 | 750 | - | 1.22 | 100 |
| TOTAL | 22 | | | | | | 24 | | | | | | 47 | | | | | |
| MEAN | | 285 | 260 | 141 | 0.99 | | | 307 | 359 | 197 | 1.05 | | | 297 | 312 | 176 | 1.02 | |

Table 56. Biological data by age group for round whitefish caught by experimental nets from Nueltin Lake, 1981.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 4 | 205 | 17.7 | 56 | 13 | 0.69 | 0 | 2 | 212 | 31.1 | 75 | 35 | 0.75 | 0 | 6 | 207 | 19.9 | 63 | 21 | 0.71 | 0 |
| 5 | 2 | 246 | 4.2 | 150 | 0 | 1.01 | 0 | 2 | 222 | 18.4 | 113 | 53 | 0.99 | 50 | 4 | 234 | 17.6 | 131 | 38 | 1.00 | 25 |
| 6 | 5 | 302 | 31.1 | 290 | 114 | 1.00 | 60 | 1 | 321 | - | 300 | - | 0.91 | 100 | 6 | 305 | 28.9 | 292 | 102 | 0.99 | 67 |
| 7 | 5 | 296 | 29.1 | 300 | 100 | 1.12 | 40 | 8 | 322 | 14.2 | 381 | 70 | 1.13 | 88 | 14 | 311 | 23.3 | 346 | 87 | 1.12 | 64 |
| 8 | 4 | 325 | 31.8 | 363 | 85 | 1.05 | 100 | 1 | 352 | - | 500 | - | 1.15 | 100 | 5 | 331 | 30.0 | 390 | 96 | 1.07 | 100 |
| 9 | 2 | 333 | 41.0 | 400 | 141 | 1.06 | 100 | 2 | 336 | 19.8 | 450 | 71 | 1.18 | 100 | 4 | 335 | 26.4 | 425 | 96 | 1.12 | 100 |
| 10 | - | - | - | - | - | - | - | 4 | 358 | 31.2 | 550 | 147 | 1.18 | 100 | 4 | 358 | 31.2 | 550 | 147 | 1.18 | 100 |
| 12 | - | - | - | - | - | - | - | 1 | 361 | - | 550 | - | 1.17 | 100 | 1 | 361 | - | 550 | - | 1.17 | 100 |
| TOTAL | 22 | | | | | | | 21 | | | | | | | 44 | | | | | | |
| MEAN | | 285 | 51 | 260 | 141 | 0.99 | | | 314 | 53.3 | 375 | 175 | 1.09 | | | 299 | 53.0 | 316 | 165 | 1.04 | |
| MEAN AGE | | 7.0 | | | | | | | | | | | | | | | | | | | |

Table 57. Biological data by length interval for lake cisco caught by experimental nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 150 | - | - | - | - | - | - | 3 | 157 | 50 | 0 | 1.30 | 33 | 4 | 156 | 50 | 0 | 1.32 | 25 |
| 160 | 11 | 166 | 55 | 15 | 1.19 | 36 | 9 | 165 | 64 | 22 | 1.42 | 56 | 20 | 166 | 59 | 19 | 1.29 | 45 |
| 170 | 15 | 176 | 57 | 18 | 1.04 | 60 | 18 | 175 | 63 | 18 | 1.17 | 89 | 35 | 175 | 59 | 17 | 1.10 | 74 |
| 180 | 18 | 185 | 78 | 21 | 1.23 | 89 | 34 | 184 | 74 | 19 | 1.19 | 79 | 52 | 184 | 75 | 19 | 1.20 | 83 |
| 190 | 32 | 194 | 80 | 20 | 1.10 | 91 | 45 | 195 | 87 | 19 | 1.17 | 91 | 77 | 195 | 84 | 19 | 1.14 | 91 |
| 200 | 48 | 204 | 98 | 24 | 1.16 | 100 | 45 | 204 | 93 | 21 | 1.10 | 100 | 94 | 204 | 96 | 23 | 1.13 | 99 |
| 210 | 36 | 214 | 97 | 20 | 0.99 | 100 | 29 | 213 | 101 | 23 | 1.04 | 100 | 65 | 214 | 99 | 21 | 1.01 | 100 |
| 220 | 11 | 223 | 105 | 27 | 0.94 | 100 | 18 | 223 | 111 | 30 | 1.00 | 100 | 29 | 223 | 109 | 29 | 0.98 | 100 |
| 230 | 4 | 234 | 125 | 29 | 0.98 | 100 | 4 | 231 | 119 | 47 | 0.97 | 100 | 8 | 232 | 122 | 36 | 0.97 | 100 |
| 240 | 1 | 240 | 150 | - | 1.09 | 100 | 2 | 244 | 175 | 35 | 1.21 | 100 | 3 | 243 | 167 | 29 | 1.17 | 100 |
| 250 | 2 | 254 | 175 | 35 | 1.08 | 100 | 6 | 256 | 175 | 27 | 1.04 | 100 | 8 | 255 | 175 | 27 | 1.05 | 100 |
| 260 | 2 | 268 | 200 | 0 | 1.04 | 100 | - | - | - | - | - | - | 2 | 268 | 200 | 0 | 1.04 | 100 |
| 270 | 2 | 273 | 200 | 141 | 1.00 | 100 | 2 | 273 | 250 | 71 | 1.22 | 100 | 4 | 273 | 225 | 96 | 1.11 | 100 |
| 280 | 1 | 280 | 250 | - | 1.14 | 100 | 3 | 286 | 250 | 0 | 1.07 | 100 | 4 | 284 | 250 | 0 | 1.09 | 100 |
| 290 | 1 | 294 | 250 | - | 0.98 | 100 | 2 | 292 | 275 | 35 | 1.11 | 100 | 3 | 293 | 267 | 29 | 1.07 | 100 |
| 310 | 1 | 318 | 350 | - | 1.09 | 100 | - | - | - | - | - | - | 1 | 318 | 350 | - | 1.09 | 100 |
| TOTAL | 185 | | | | | | 220 | | | | | | 409 | | | | | |
| MEAN | | 203 | 94 | 42 | 1.09 | | | 202 | 96 | 43 | 1.13 | | | 202 | 95 | 42 | 1.11 | |

Table 58. Biological data by age group for lake cisco cuaght by experimental nets from Nueltin Lake, 1981.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | 168 | - | 50 | - | 1.05 | 0 | 2 | 175 | 7.1 | 63 | 18 | 1.19 | 0 | 3 | 173 | 6.4 | 58 | 14 | 1.15 | 0 |
| 3 | 2 | 175 | 10.6 | 75 | 35 | 1.37 | 50 | 5 | 166 | 9.9 | 55 | 11 | 1.19 | 20 | 8 | 167 | 10.8 | 59 | 19 | 1.26 | 25 |
| 4 | 44 | 194 | 17.8 | 81 | 23 | 1.09 | 80 | 51 | 193 | 23.8 | 86 | 33 | 1.18 | 94 | 96 | 193 | 21.1 | 83 | 29 | 1.14 | 88 |
| 5 | 102 | 204 | 18.1 | 92 | 30 | 1.08 | 94 | 129 | 202 | 14.9 | 92 | 27 | 1.12 | 92 | 231 | 203 | 16.4 | 92 | 28 | 1.10 | 93 |
| 6 | 14 | 224 | 30.3 | 134 | 59 | 1.17 | 100 | 18 | 235 | 32.0 | 153 | 65 | 1.14 | 100 | 32 | 230 | 31.3 | 145 | 62 | 1.15 | 100 |
| 7 | - | - | - | - | - | - | - | 3 | 285 | 9.5 | 267 | 29 | 1.16 | 100 | 3 | 285 | 9.5 | 267 | 29 | 1.16 | 100 |
| 8 | 2 | 295 | 33.2 | 325 | 35 | 1.30 | 100 | - | - | - | - | - | - | - | 2 | 295 | 33.2 | 325 | 35 | 1.30 | 100 |
| TOTAL | 165 | | | | | | | 208 | | | | | | | 375 | | | | | | |
| MEAN | | 204 | 23 | 95 | 43 | 1.10 | | | 203 | 24.8 | 97 | 43 | 1.14 | | | 203 | 24.3 | 96 | 43 | 1.12 | |
| MEAN AGE | 4.8 | | | | | | | | | | | | | | | | | | | | |

Table 59. Biological data by length interval for northern pike caught by experimental nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT |
| 500 | - | - | - | - | - | - | 1 | 515 | 900 | - | 0.66 | 100 | 1 | 515 | 900 | - | 0.66 | 100 |
| 640 | 2 | 652 | 2025 | 35 | 0.73 | 100 | - | - | - | - | - | - | 2 | 652 | 2025 | 35 | 0.73 | 100 |
| 700 | - | - | - | - | - | - | 2 | 708 | 2800 | 354 | 0.79 | 100 | 2 | 708 | 2800 | 354 | 0.79 | 100 |
| 720 | - | - | - | - | - | - | 1 | 725 | 2650 | - | 0.70 | 100 | 1 | 725 | 2650 | - | 0.70 | 100 |
| 740 | - | - | - | - | - | - | 2 | 743 | 2725 | 247 | 0.66 | 100 | 2 | 743 | 2725 | 247 | 0.66 | 100 |
| 800 | - | - | - | - | - | - | 1 | 815 | 3100 | - | 0.57 | 100 | 1 | 815 | 3100 | - | 0.57 | 100 |
| TOTAL | 2 | | | | | | 7 | | | | | | 9 | | | | | |
| MEAN | | 652 | 2025 | 35 | 0.73 | | | 708 | 2529 | 753 | 0.69 | | | 695 | 2417 | 689 | 0.70 | |

Table 60. Biological data by age group for northern pike caught by experimental nets from Nueltin Lake, 1981.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT |
| 6 | - | - | - | - | - | - | - | 2 | 609 | 132.2 | 1725 | 1167 | 0.70 | 100 | 2 | 609 | 132.2 | 1725 | 1167 | 0.70 | 100 |
| 8 | 1 | 655 | - | 2000 | - | 0.71 | 100 | 2 | 730 | 23.3 | 2975 | 106 | 0.77 | 100 | 3 | 705 | 46.1 | 2650 | 568 | 0.75 | 100 |
| 9 | - | - | - | - | - | - | - | 1 | 725 | - | 2650 | - | 0.70 | 100 | 1 | 725 | - | 2650 | - | 0.70 | 100 |
| 10 | - | - | - | - | - | - | - | 1 | 740 | - | 2550 | - | 0.63 | 100 | 1 | 740 | - | 2550 | - | 0.63 | 100 |
| TOTAL | 1 | | | | | | | 6 | | | | | | | 7 | | | | | | |
| MEAN | | 655 | - | 2000 | - | 0.71 | | | 690 | 87.4 | 2433 | 778 | 0.71 | | | 685 | 80.8 | 2371 | 729 | 0.71 | |
| MEAN AGE | 7.9 | | | | | | | | | | | | | | | | | | | | |

Table 61. Biological data by length interval for burbot caught by experimental nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 330 | 1 | 335 | 200 | - | 0.53 | 100 | - | - | - | - | - | - | 1 | 335 | 200 | - | 0.53 | 100 |
| 380 | 1 | 387 | 400 | - | 0.69 | 100 | - | - | - | - | - | - | 1 | 387 | 400 | - | 0.69 | 100 |
| 440 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 443 | 600 | - | 0.69 | - |
| TOTAL | 2 | | | | | | 0 | | | | | | 3 | | | | | |
| MEAN | | 361 | 300 | 141 | 0.61 | | | - | - | - | - | | | 388 | 400 | 200 | 0.64 | |



Table 62. Biological data by age group for burbot caught by experimental nets from Nueltin Lake, 1981.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 1 | 335 | - | 200 | - | 0.53 | 100 | - | - | - | - | - | - | - | 1 | 335 | - | 200 | - | 0.53 | 100 |
| 9 | 1 | 387 | - | 400 | - | 0.69 | 100 | - | - | - | - | - | - | - | 1 | 387 | - | 400 | - | 0.69 | 100 |
| 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 443 | - | 600 | - | 0.69 | - |
| TOTAL | 2 | | | | | | | 0 | | | | | | | 3 | | | | | | |
| MEAN | | 361 | 37 | 300 | 141 | 0.61 | | | - | - | - | - | - | | | 388 | 54.0 | 400 | 200 | 0.64 | |
| MEAN AGE | 9.7 | | | | | | | | | | | | | | | | | | | | |

Table 63. Biological data by length interval for longnose sucker caught by experimental nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | WEIGHT(G) SD | K | N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | WEIGHT(G) SD | K | N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | WEIGHT(G) SD | K | % FEMALE |
| 130 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | 137 | 50 | 0 | 1.93 | - |
| 140 | 1 | 1 | 146 | 50 | - | 1.61 | - | - | - | - | - | - | 6 | 2 | 147 | 50 | 0 | 1.58 | - |
| 150 | - | - | - | - | - | - | 1 | 1 | 158 | 50 | - | 1.27 | 10 | 3 | 155 | 58 | 17 | 1.54 | - |
| 160 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | 162 | 50 | 0 | 1.18 | - |
| 170 | 2 | 1 | 177 | 50 | 0 | 0.90 | 1 | 1 | 170 | 50 | - | 1.02 | 8 | 3 | 175 | 66 | 19 | 1.23 | 33 |
| 180 | - | - | - | - | - | - | 1 | 1 | 184 | 50 | - | 0.80 | 1 | 0 | 184 | 50 | - | 0.80 | - |
| 230 | 1 | 1 | 237 | 250 | - | 1.88 | 1 | 1 | 230 | 150 | - | 1.23 | 4 | 1 | 234 | 200 | 41 | 1.55 | 50 |
| 240 | 2 | 1 | 248 | 225 | 35 | 1.49 | 1 | 1 | 241 | 250 | - | 1.79 | 3 | 1 | 245 | 233 | 29 | 1.59 | 33 |
| 250 | 5 | 4 | 256 | 240 | 42 | 1.43 | - | - | - | - | - | - | 6 | 2 | 255 | 242 | 38 | 1.46 | - |
| 260 | 3 | 2 | 266 | 267 | 29 | 1.42 | 1 | 1 | 268 | 300 | - | 1.56 | 6 | 2 | 265 | 283 | 26 | 1.52 | 25 |
| 270 | 2 | 1 | 274 | 300 | 0 | 1.46 | 2 | 2 | 274 | 275 | 35 | 1.34 | 5 | 2 | 275 | 300 | 35 | 1.44 | 50 |
| 280 | 3 | 2 | 283 | 333 | 29 | 1.46 | 2 | 2 | 284 | 325 | 35 | 1.42 | 8 | 3 | 284 | 331 | 26 | 1.45 | 40 |
| 290 | 3 | 2 | 298 | 367 | 29 | 1.39 | 1 | 1 | 295 | 400 | - | 1.56 | 6 | 2 | 297 | 350 | 45 | 1.34 | 25 |
| 300 | 3 | 2 | 305 | 417 | 29 | 1.46 | - | - | - | - | - | - | 3 | 1 | 305 | 417 | 29 | 1.46 | - |
| 310 | 2 | 1 | 315 | 450 | 71 | 1.44 | 4 | 3 | 316 | 438 | 63 | 1.39 | 6 | 2 | 316 | 442 | 58 | 1.40 | 67 |
| 320 | 2 | 1 | 327 | 550 | 71 | 1.58 | 2 | 2 | 327 | 575 | 106 | 1.64 | 4 | 1 | 327 | 563 | 75 | 1.61 | 50 |
| 330 | 8 | 6 | 335 | 519 | 37 | 1.37 | 5 | 4 | 334 | 520 | 27 | 1.39 | 13 | 4 | 335 | 519 | 33 | 1.38 | 38 |
| 340 | 3 | 2 | 344 | 533 | 29 | 1.31 | 3 | 3 | 345 | 567 | 29 | 1.38 | 6 | 2 | 345 | 550 | 32 | 1.34 | 50 |
| 350 | 8 | 6 | 355 | 603 | 74 | 1.34 | 5 | 4 | 357 | 640 | 55 | 1.40 | 13 | 4 | 356 | 617 | 67 | 1.37 | 38 |
| 360 | 4 | 3 | 364 | 663 | 63 | 1.37 | 6 | 5 | 363 | 613 | 38 | 1.28 | 10 | 3 | 363 | 633 | 53 | 1.32 | 60 |
| 370 | 6 | 4 | 374 | 704 | 93 | 1.34 | 9 | 8 | 376 | 758 | 77 | 1.42 | 15 | 5 | 375 | 737 | 85 | 1.39 | 60 |
| 380 | 5 | 4 | 385 | 800 | 50 | 1.40 | 4 | 3 | 384 | 725 | 65 | 1.29 | 9 | 3 | 384 | 767 | 66 | 1.35 | 44 |
| 390 | 12 | 9 | 395 | 856 | 72 | 1.38 | 3 | 3 | 394 | 783 | 29 | 1.28 | 15 | 5 | 395 | 842 | 72 | 1.36 | 20 |
| 400 | 13 | 10 | 405 | 908 | 67 | 1.37 | 9 | 8 | 404 | 850 | 35 | 1.29 | 22 | 8 | 404 | 884 | 62 | 1.34 | 41 |
| 410 | 5 | 4 | 416 | 950 | 35 | 1.32 | 6 | 5 | 414 | 917 | 82 | 1.29 | 11 | 4 | 415 | 932 | 64 | 1.30 | 55 |
| 420 | 9 | 7 | 424 | 1028 | 67 | 1.35 | 10 | 8 | 425 | 1005 | 112 | 1.30 | 19 | 7 | 425 | 1016 | 91 | 1.33 | 53 |
| 430 | 10 | 7 | 433 | 1123 | 73 | 1.38 | 4 | 3 | 435 | 1113 | 103 | 1.36 | 14 | 5 | 434 | 1120 | 79 | 1.37 | 29 |
| 440 | 14 | 10 | 443 | 1196 | 112 | 1.37 | 8 | 7 | 445 | 1169 | 88 | 1.33 | 22 | 8 | 444 | 1186 | 103 | 1.36 | 36 |
| 450 | 5 | 4 | 454 | 1270 | 125 | 1.36 | 8 | 7 | 453 | 1222 | 80 | 1.31 | 13 | 4 | 453 | 1240 | 98 | 1.33 | 62 |
| 460 | 2 | 1 | 465 | 1238 | 18 | 1.23 | 9 | 8 | 465 | 1350 | 135 | 1.35 | 11 | 4 | 465 | 1330 | 129 | 1.33 | 82 |
| 470 | 2 | 1 | 475 | 1350 | 71 | 1.26 | 2 | 2 | 471 | 1400 | 71 | 1.34 | 4 | 1 | 473 | 1375 | 65 | 1.30 | 50 |
| 480 | - | - | - | - | - | - | 7 | 6 | 483 | 1457 | 67 | 1.29 | 7 | 2 | 483 | 1457 | 67 | 1.29 | - |
| 490 | - | - | - | - | - | - | 3 | 3 | 493 | 1675 | 25 | 1.40 | 3 | 1 | 493 | 1675 | 25 | 1.40 | - |
| 510 | 1 | 1 | 515 | 1750 | - | 1.28 | 2 | 2 | 514 | 1775 | 106 | 1.31 | 3 | 1 | 514 | 1767 | 76 | 1.30 | 67 |
| TOTAL | 136 | | | | | | 120 | | | | | | 292 | | | | | | |
| MEAN | | | 376 | 791 | 349 | 1.38 | | | 397 | 909 | 396 | 1.34 | | | 362 | 758 | 425 | 1.38 | 47 |

Table 64. Biological data by length interval for white sucker caught by experimental nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | NO. | PERCENT | MEAN FORK LENGTH(MM) | ROUND WEIGHT(G) MEAN | SD |
|---|---|---|---|---|---|
| 150 | 1 | 8 | 152 | 50 | - |
| 170 | 1 | 8 | 177 | 100 | - |
| 270 | 2 | 17 | 274 | 275 | 35 |
| 300 | 1 | 8 | 307 | 350 | - |
| 310 | 1 | 8 | 311 | 400 | - |
| 340 | 1 | 8 | 340 | 550 | - |
| 350 | 1 | 8 | 358 | 750 | - |
| 370 | 1 | 8 | 374 | 750 | - |
| 410 | 1 | 8 | 414 | 1100 | - |
| 480 | 1 | 8 | 483 | 1550 | - |
| 490 | 1 | 8 | 490 | 1650 | - |
| TOTAL | 12 | | | | |
| MEAN | | | 330 | 650 | 534 |

Table 65. Biological data by length interval for lake trout caught by tagging nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 50 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 54 | - | - | - | - |
| 150 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 170 | 50 | - | 1.02 | 0 |
| 175 | 2 | 196 | 100 | 0 | 1.34 | 0 | 3 | 188 | 75 | 25 | 1.14 | 0 | 11 | 189 | 80 | 22 | 1.19 | 0 |
| 200 | 3 | 209 | 100 | 0 | 1.10 | 0 | 3 | 210 | 75 | 25 | 0.80 | 0 | 7 | 210 | 89 | 20 | 0.96 | 0 |
| 225 | 3 | 233 | 150 | 50 | 1.16 | 0 | - | - | - | - | - | - | 3 | 233 | 150 | 50 | 1.16 | 0 |
| 250 | 3 | 268 | 200 | 0 | 1.04 | 0 | 3 | 267 | 217 | 29 | 1.14 | 0 | 6 | 268 | 208 | 20 | 1.09 | 0 |
| 275 | 2 | 283 | 250 | 0 | 1.11 | 0 | 4 | 290 | 256 | 13 | 1.06 | 0 | 6 | 287 | 254 | 10 | 1.08 | 0 |
| 300 | 4 | 310 | 350 | 41 | 1.18 | 0 | 5 | 310 | 320 | 57 | 1.07 | 0 | 9 | 310 | 333 | 50 | 1.12 | 0 |
| 325 | 7 | 343 | 429 | 49 | 1.06 | 14 | 5 | 338 | 440 | 42 | 1.14 | 0 | 12 | 341 | 433 | 44 | 1.09 | 8 |
| 350 | 3 | 361 | 483 | 58 | 1.03 | 0 | 4 | 360 | 494 | 83 | 1.06 | 0 | 7 | 360 | 489 | 67 | 1.04 | 0 |
| 375 | 7 | 387 | 600 | 96 | 1.03 | 14 | 9 | 390 | 667 | 66 | 1.12 | 11 | 18 | 389 | 638 | 85 | 1.08 | 13 |
| 400 | 2 | 409 | 725 | 35 | 1.06 | 0 | - | - | - | - | - | - | 4 | 414 | 725 | 35 | 1.06 | 0 |
| 425 | 3 | 439 | 1000 | 260 | 1.18 | 33 | 4 | 434 | 975 | 171 | 1.19 | 50 | 10 | 435 | 986 | 193 | 1.19 | 43 |
| 450 | 3 | 453 | 1083 | 176 | 1.16 | 100 | 4 | 461 | 1125 | 171 | 1.15 | 75 | 11 | 458 | 1107 | 159 | 1.15 | 86 |
| 475 | 1 | 481 | 600 | - | 0.54 | 100 | 2 | 478 | 1200 | 283 | 1.10 | 100 | 8 | 481 | 1000 | 400 | 0.91 | 100 |
| 500 | - | - | - | - | - | - | 2 | 511 | 1825 | 106 | 1.37 | 100 | 12 | 510 | 1825 | 106 | 1.37 | 100 |
| 525 | 2 | 542 | 1925 | 106 | 1.21 | 100 | 1 | 532 | 1650 | - | 1.10 | 100 | 15 | 537 | 1833 | 176 | 1.17 | 100 |
| 550 | 3 | 567 | 1983 | 29 | 1.09 | 100 | 1 | 556 | 2100 | - | 1.22 | 100 | 19 | 562 | 2013 | 63 | 1.12 | 100 |
| 575 | 2 | 583 | 1900 | 141 | 0.96 | 100 | 1 | 594 | 2000 | - | 0.95 | 100 | 22 | 588 | 1933 | 115 | 0.96 | 100 |
| 600 | - | - | - | - | - | - | 3 | 608 | 2550 | 150 | 1.13 | 100 | 11 | 610 | 2550 | 150 | 1.13 | 100 |
| 625 | 1 | 635 | 2550 | - | 1.00 | 100 | - | - | - | - | - | - | 8 | 636 | 2550 | - | 1.00 | 100 |
| 650 | 1 | 672 | 3300 | - | 1.09 | 100 | - | - | - | - | - | - | 8 | 664 | 3300 | - | 1.09 | 100 |
| 675 | 1 | 682 | 2800 | - | 0.88 | 100 | - | - | - | - | - | - | 10 | 685 | 2800 | - | 0.88 | 100 |
| 700 | 2 | 714 | 3950 | 707 | 1.09 | 100 | 1 | 704 | 3850 | - | 1.10 | 100 | 16 | 714 | 3917 | 503 | 1.09 | 100 |
| 725 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 736 | - | - | - | - |
| 750 | 1 | 755 | 4500 | - | 1.05 | 100 | 1 | 772 | 4500 | - | 0.98 | 100 | 11 | 763 | 4500 | 0 | 1.01 | 100 |
| 775 | - | - | - | - | - | - | - | - | - | - | - | - | 10 | 784 | - | - | - | - |
| 800 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 816 | - | - | - | - |
| 825 | - | - | - | - | - | - | - | - | - | - | - | - | 18 | 834 | - | - | - | - |
| 850 | 1 | 859 | 8350 | - | 1.32 | 100 | - | - | - | - | - | - | 11 | 857 | 8350 | - | 1.32 | 100 |
| 875 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 889 | - | - | - | - |
| 900 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 913 | - | - | - | - |
| 925 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 935 | - | - | - | - |
| 950 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 959 | - | - | - | - |
| 1025 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1038 | - | - | - | - |
| TOTAL | 57 | | | | | | 56 | | | | | | 316 | | | | | |
| MEAN | | 412 | 1112 | 1442 | 1.09 | | | 391 | 895 | 920 | 1.11 | | | 569 | 943 | 1193 | 1.10 | |

Table 66. Biological data by age group for lake trout caught by tagging nets from Nueltin Lake, 1981.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 5 | - | - | - | - | - | - | - | 2 | 184 | 0.7 | 75 | 35 | 1.21 | 0 | 5 | 183 | 4.3 | 70 | 21 | 1.16 | 0 |
| 6 | 3 | 202 | 5.3 | 100 | 0 | 1.22 | 0 | 4 | 206 | 7.8 | 75 | 20 | 0.85 | 0 | 10 | 203 | 8.1 | 85 | 21 | 1.02 | 0 |
| 7 | 4 | 234 | 34.9 | 163 | 75 | 1.21 | 0 | 1 | 300 | | 250 | - | 0.93 | 0 | 6 | 238 | 44.6 | 167 | 75 | 1.21 | 0 |
| 8 | 7 | 280 | 50.2 | 243 | 121 | 1.04 | 0 | 4 | 282 | 21.1 | 263 | 63 | 1.15 | 0 | 11 | 281 | 40.6 | 250 | 100 | 1.08 | 0 |
| 9 | 5 | 323 | 33.0 | 390 | 114 | 1.13 | 0 | 5 | 300 | 24.3 | 305 | 91 | 1.10 | 0 | 10 | 312 | 29.8 | 348 | 107 | 1.11 | 0 |
| 10 | 6 | 349 | 48.5 | 475 | 212 | 1.07 | 17 | 7 | 340 | 54.3 | 443 | 237 | 1.06 | 0 | 13 | 344 | 49.7 | 458 | 217 | 1.07 | 8 |
| 11 | 6 | 367 | 23.8 | 533 | 117 | 1.07 | 17 | 5 | 372 | 24.6 | 590 | 143 | 1.13 | 0 | 11 | 369 | 23.0 | 559 | 126 | 1.10 | 9 |
| 12 | 4 | 435 | 72.3 | 925 | 638 | 1.00 | 25 | 7 | 394 | 31.3 | 704 | 167 | 1.14 | 0 | 11 | 409 | 50.9 | 784 | 389 | 1.09 | 9 |
| 13 | 4 | 400 | 12.8 | 688 | 63 | 1.07 | 0 | 4 | 407 | 48.4 | 663 | 239 | 0.96 | 25 | 8 | 403 | 33.0 | 675 | 163 | 1.02 | 13 |
| 14 | 2 | 580 | 9.2 | 1900 | 141 | 0.98 | 100 | 2 | 419 | 33.2 | 850 | 141 | 1.16 | 100 | 4 | 499 | 95.1 | 1375 | 617 | 1.07 | 100 |
| 15 | 1 | 457 | - | 1250 | - | 1.31 | 100 | 3 | 497 | 87.2 | 1400 | 522 | 1.15 | 100 | 4 | 487 | 74.0 | 1363 | 433 | 1.19 | 100 |
| 16 | 1 | 451 | - | 1100 | - | 1.20 | 100 | 2 | 607 | 2.8 | 2550 | 212 | 1.14 | 100 | 3 | 555 | 90.1 | 2067 | 850 | 1.16 | 100 |
| 17 | 2 | 512 | 95.5 | 1650 | 495 | 1.26 | 100 | - | - | - | - | - | - | - | 2 | 512 | 95.5 | 1650 | 495 | 1.26 | 100 |
| 18 | 4 | 570 | 110.1 | 2325 | 1505 | 1.12 | 100 | 1 | 506 | - | 1750 | - | 1.35 | 100 | 5 | 557 | 99.5 | 2210 | 1328 | 1.17 | 100 |
| 19 | - | - | - | - | - | - | - | 4 | 492 | 37.0 | 1513 | 330 | 1.26 | 100 | 4 | 492 | 37.0 | 1513 | 330 | 1.26 | 100 |
| 20 | 1 | 682 | - | 2800 | - | 0.88 | 100 | 1 | 556 | - | 2100 | - | 1.22 | 100 | 2 | 619 | 89.1 | 2450 | 495 | 1.05 | 100 |
| 21 | 2 | 654 | 26.2 | 2925 | 530 | 1.04 | 100 | 1 | 611 | - | 2550 | - | 1.12 | 100 | 3 | 639 | 30.7 | 2800 | 433 | 1.07 | 100 |
| 22 | - | - | - | - | - | - | - | 1 | 704 | - | 3850 | - | 1.10 | 100 | 1 | 704 | - | 3850 | - | 1.10 | 100 |
| 23 | 1 | 709 | - | 3450 | - | 0.97 | 100 | - | - | - | - | - | - | - | 1 | 709 | - | 3450 | - | 0.97 | 100 |
| 25 | 1 | 567 | - | 2000 | - | 1.10 | 100 | - | - | - | - | - | - | - | 1 | 567 | - | 2000 | - | 1.10 | 100 |
| 26 | - | - | - | - | - | - | - | 1 | 481 | - | 1400 | - | 1.26 | 100 | 1 | 481 | - | 1400 | - | 1.26 | 100 |
| 27 | - | - | - | - | - | - | - | 1 | 772 | - | 4500 | - | 0.98 | 100 | 1 | 772 | - | 4500 | - | 0.98 | 100 |
| 28 | 1 | 755 | - | 4500 | - | 1.05 | 100 | - | - | - | - | - | - | - | 1 | 755 | - | 4500 | - | 1.05 | 100 |
| 38 | 1 | 859 | - | 8350 | - | 1.32 | 100 | - | - | - | - | - | - | - | 1 | 859 | - | 8350 | - | 1.32 | 100 |
| TOTAL | 56 | | | | | | | 56 | | | | | | | 119 | | | | | | |
| MEAN | | 411 | 157 | 1121 | 1453 | 1.10 | | | 391 | 128.5 | 895 | 920 | 1.11 | | | 388 | 147.5 | 953 | 1200 | 1.10 | |
| MEAN AGE | 12.2 | | | | | | | | | | | | | | | | | | | | |

Table 67. Biological data by length interval for lake whitefish caught by tagging nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 150 | - | - | - | - | - | - | 1 | 156 | 50 | - | 1.32 | 0 | 3 | 157 | 50 | 0 | 1.30 | 0 |
| 160 | 3 | 166 | 50 | 0 | 1.09 | 0 | - | - | - | - | - | - | 6 | 165 | 50 | 0 | 1.11 | 0 |
| 170 | 1 | 174 | 50 | - | 0.95 | 0 | - | - | - | - | - | - | 1 | 174 | 50 | - | 0.95 | 0 |
| 180 | 2 | 185 | 100 | 0 | 1.58 | 0 | - | - | - | - | - | - | 2 | 185 | 100 | 0 | 1.58 | 0 |
| 190 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 197 | 50 | - | 0.65 | 0 |
| 200 | - | - | - | - | - | - | 1 | 201 | 100 | - | 1.23 | 0 | 2 | 201 | 75 | 35 | 0.93 | 0 |
| 210 | 1 | 219 | 50 | - | 0.48 | 0 | - | - | - | - | - | - | 1 | 219 | 50 | - | 0.48 | 0 |
| 220 | 1 | 228 | 150 | - | 1.27 | 0 | 2 | 226 | 150 | 0 | 1.30 | 0 | 3 | 227 | 150 | 0 | 1.29 | 0 |
| 230 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 232 | 100 | - | 0.80 | 0 |
| 250 | 1 | 259 | 200 | - | 1.15 | 0 | 2 | 251 | 175 | 35 | 1.11 | 0 | 4 | 253 | 175 | 29 | 1.08 | 0 |
| 260 | 1 | 264 | 200 | - | 1.09 | 0 | 1 | 260 | 200 | - | 1.14 | 0 | 2 | 262 | 200 | 0 | 1.11 | 0 |
| 280 | 2 | 283 | 200 | 71 | 0.89 | 0 | - | - | - | - | - | - | 2 | 283 | 200 | 71 | 0.89 | 0 |
| 290 | 1 | 296 | 350 | - | 1.35 | 0 | - | - | - | - | - | - | 1 | 296 | 350 | - | 1.35 | 0 |
| 300 | - | - | - | - | - | - | 1 | 300 | 350 | - | 1.30 | 0 | 1 | 300 | 350 | - | 1.30 | 0 |
| 310 | 1 | 312 | 400 | - | 1.32 | 0 | 1 | 316 | 300 | - | 0.95 | 0 | 2 | 314 | 350 | 71 | 1.13 | 0 |
| 320 | 1 | 329 | 450 | - | 1.26 | 0 | 1 | 322 | 400 | - | 1.20 | 100 | 2 | 326 | 425 | 35 | 1.23 | 50 |
| 330 | 1 | 338 | 500 | - | 1.29 | 100 | - | - | - | - | - | - | 1 | 338 | 500 | - | 1.29 | 100 |
| 340 | - | - | - | - | - | - | 1 | 347 | 500 | - | 1.20 | 0 | 1 | 347 | 500 | - | 1.20 | 0 |
| 350 | - | - | - | - | - | - | 1 | 351 | 500 | - | 1.16 | 0 | 1 | 351 | 500 | - | 1.16 | 0 |
| 360 | 1 | 369 | 700 | - | 1.39 | 100 | 1 | 363 | 550 | - | 1.15 | 100 | 2 | 366 | 625 | 106 | 1.27 | 100 |
| 370 | 1 | 371 | 700 | - | 1.37 | 100 | 1 | 375 | 750 | - | 1.42 | 0 | 2 | 373 | 725 | 35 | 1.40 | 50 |
| 380 | 1 | 387 | 600 | - | 1.04 | 100 | 2 | 383 | 775 | 35 | 1.38 | 50 | 3 | 384 | 717 | 104 | 1.26 | 67 |
| 390 | - | - | - | - | - | - | 2 | 395 | 725 | 35 | 1.18 | 100 | 2 | 395 | 725 | 35 | 1.18 | 100 |
| 400 | - | - | - | - | - | - | 1 | 402 | 1000 | - | 1.54 | 100 | 1 | 402 | 1000 | - | 1.54 | 100 |
| 420 | 1 | 427 | 1050 | - | 1.35 | 0 | - | - | - | - | - | - | 1 | 427 | 1050 | - | 1.35 | 0 |
| 430 | 2 | 435 | 1125 | 35 | 1.37 | 50 | 1 | 436 | 1050 | - | 1.27 | 100 | 3 | 435 | 1100 | 50 | 1.34 | 67 |
| 440 | - | - | - | - | - | - | 3 | 445 | 1217 | 257 | 1.38 | 100 | 4 | 444 | 1225 | 210 | 1.40 | 100 |
| 450 | 4 | 453 | 1425 | 357 | 1.52 | 75 | 4 | 453 | 1213 | 149 | 1.30 | 100 | 8 | 453 | 1319 | 278 | 1.41 | 88 |
| 470 | 4 | 472 | 1488 | 103 | 1.42 | 100 | 1 | 470 | 1600 | - | 1.54 | 100 | 5 | 471 | 1510 | 102 | 1.44 | 100 |
| 480 | 1 | 480 | 1550 | - | 1.40 | 100 | 1 | 486 | 1600 | - | 1.39 | 100 | 2 | 483 | 1575 | 35 | 1.40 | 100 |
| 490 | 4 | 495 | 1838 | 206 | 1.52 | 100 | 4 | 495 | 1450 | 344 | 1.20 | 100 | 8 | 495 | 1644 | 334 | 1.36 | 100 |
| 500 | 1 | 503 | 1700 | - | 1.34 | 100 | 4 | 506 | 1750 | 147 | 1.35 | 100 | 5 | 505 | 1740 | 129 | 1.35 | 100 |
| 510 | 3 | 514 | 1650 | 229 | 1.21 | 100 | 2 | 516 | 1900 | 71 | 1.39 | 100 | 5 | 515 | 1750 | 215 | 1.28 | 100 |
| 520 | 6 | 524 | 2017 | 68 | 1.40 | 100 | 5 | 528 | 2240 | 171 | 1.52 | 100 | 11 | 526 | 2118 | 166 | 1.46 | 100 |
| 530 | 9 | 533 | 2106 | 167 | 1.39 | 100 | 11 | 534 | 2223 | 264 | 1.46 | 100 | 20 | 533 | 2170 | 228 | 1.43 | 100 |
| 540 | 9 | 545 | 2422 | 224 | 1.50 | 100 | 6 | 544 | 2450 | 265 | 1.52 | 100 | 15 | 545 | 2433 | 232 | 1.51 | 100 |
| 550 | 5 | 555 | 2400 | 218 | 1.41 | 100 | 9 | 555 | 2306 | 133 | 1.35 | 100 | 14 | 555 | 2339 | 167 | 1.37 | 100 |
| 560 | 2 | 565 | 2400 | 71 | 1.33 | 100 | 1 | 567 | 2300 | - | 1.26 | 100 | 3 | 566 | 2367 | 76 | 1.31 | 100 |
| 570 | - | - | - | - | - | - | 3 | 572 | 2617 | 161 | 1.40 | 100 | 3 | 572 | 2617 | 161 | 1.40 | 100 |
| 580 | 1 | 584 | 3050 | - | 1.53 | 100 | - | - | - | - | - | - | 1 | 584 | 3050 | - | 1.53 | 100 |
| 640 | 1 | 646 | 4800 | - | 1.78 | 100 | - | - | - | - | - | - | 1 | 646 | 4800 | - | 1.78 | 100 |
| TOTAL | 72 | | | | | | 74 | | | | | | 156 | | | | | |
| MEAN | | 451 | 1571 | 945 | 1.36 | | | 467 | 1607 | 823 | 1.36 | | | 443 | 1499 | 925 | 1.34 | |

Table 68. Biological data by age group for lake whitefish caught by tagging nets from Nueltin Lake, 1981.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 2 | 4 | 168 | 4.3 | 50 | 0 | 1.06 | 0 | - | - | - | - | - | - | - | 8 | 164 | 5.9 | 50 | 0 | 1.14 | 0 |
| 3 | 1 | 182 | - | 100 | - | 1.66 | 0 | - | - | - | - | - | - | - | 2 | 174 | 11.3 | 75 | 35 | 1.38 | 0 |
| 4 | 3 | 212 | 21.0 | 100 | 50 | 1.08 | 0 | 2 | 227 | 36.1 | 125 | 35 | 1.08 | 0 | 7 | 212 | 22.3 | 93 | 45 | 0.96 | 0 |
| 5 | 1 | 259 | - | 200 | - | 1.15 | 0 | 2 | 226 | 1.4 | 150 | 0 | 1.30 | 0 | 3 | 237 | 19.1 | 167 | 29 | 1.25 | 0 |
| 6 | 3 | 281 | 16.1 | 267 | 76 | 1.18 | 0 | 3 | 275 | 35.6 | 233 | 58 | 1.12 | 0 | 6 | 278 | 24.9 | 250 | 63 | 1.15 | 0 |
| 7 | 3 | 308 | 23.8 | 333 | 161 | 1.08 | 0 | 2 | 337 | 20.5 | 450 | 71 | 1.18 | 50 | 5 | 319 | 25.3 | 380 | 135 | 1.12 | 20 |
| 8 | 1 | 387 | - | 600 | - | 1.04 | 100 | 2 | 342 | 59.4 | 550 | 283 | 1.31 | 0 | 3 | 357 | 49.4 | 567 | 202 | 1.22 | 33 |
| 10 | 3 | 386 | 57.6 | 783 | 333 | 1.31 | 100 | 3 | 406 | 79.2 | 967 | 605 | 1.32 | 33 | 6 | 396 | 62.8 | 875 | 448 | 1.32 | 67 |
| 11 | 6 | 455 | 27.2 | 1375 | 393 | 1.43 | 67 | 6 | 428 | 40.5 | 1033 | 357 | 1.28 | 100 | 13 | 442 | 34.3 | 1208 | 383 | 1.36 | 85 |
| 12 | 1 | 456 | - | 1900 | - | 2.00 | 0 | 4 | 443 | 45.5 | 1075 | 301 | 1.27 | 100 | 5 | 446 | 39.8 | 1240 | 452 | 1.41 | 80 |
| 13 | 3 | 519 | 23.5 | 2000 | 400 | 1.42 | 100 | 4 | 472 | 82.6 | 1450 | 707 | 1.27 | 100 | 7 | 492 | 65.0 | 1686 | 624 | 1.33 | 100 |
| 14 | 3 | 499 | 49.0 | 1800 | 650 | 1.40 | 100 | 3 | 546 | 13.3 | 2167 | 236 | 1.32 | 100 | 6 | 523 | 41.3 | 1983 | 481 | 1.36 | 100 |
| 15 | 10 | 534 | 14.4 | 2115 | 256 | 1.39 | 100 | 6 | 513 | 31.9 | 1942 | 287 | 1.43 | 100 | 16 | 526 | 23.8 | 2050 | 273 | 1.40 | 100 |
| 16 | 4 | 528 | 40.2 | 2025 | 312 | 1.38 | 100 | 14 | 535 | 19.0 | 2164 | 305 | 1.41 | 100 | 18 | 533 | 23.9 | 2133 | 303 | 1.40 | 100 |
| 17 | 6 | 539 | 32.0 | 2292 | 448 | 1.45 | 100 | 8 | 541 | 40.4 | 2250 | 427 | 1.41 | 100 | 14 | 540 | 35.7 | 2268 | 419 | 1.43 | 100 |
| 18 | 4 | 525 | 30.1 | 2263 | 545 | 1.54 | 100 | 3 | 542 | 7.2 | 2583 | 301 | 1.62 | 100 | 7 | 532 | 23.6 | 2400 | 456 | 1.57 | 100 |
| 19 | 2 | 561 | 2.1 | 2550 | 141 | 1.45 | 100 | 1 | 545 | - | 2550 | - | 1.58 | 100 | 3 | 555 | 9.1 | 2550 | 100 | 1.49 | 100 |
| 20 | 1 | 553 | - | 2550 | - | 1.51 | 100 | 1 | 531 | - | 2600 | - | 1.74 | 100 | 2 | 542 | 15.6 | 2575 | 35 | 1.62 | 100 |
| 23 | 2 | 579 | 95.5 | 3250 | 2192 | 1.53 | 100 | - | - | - | - | - | - | - | 2 | 579 | 95.5 | 3250 | 2192 | 1.53 | 100 |
| TOTAL | 61 | | | | | | | 64 | | | | | | | 133 | | | | | | |
| MEAN | | 441 | 132 | 1530 | 1003 | 1.36 | | | 465 | 103.4 | 1591 | 836 | 1.35 | | | 439 | 131.1 | 1479 | 952 | 1.34 | |
| MEAN AGE | 12.3 | | | | | | | | | | | | | | | | | | | | |

Table 69. Biological data by length interval for round whitefish caught by tagging nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 190 | 1 | 196 | 75 | - | 1.00 | 0 | 1 | 196 | 50 | - | 0.66 | 0 | 2 | 196 | 63 | 18 | 0.83 | 0 |
| 200 | - | - | - | - | - | - | 1 | 207 | 75 | - | 0.85 | 0 | 1 | 207 | 75 | - | 0.85 | 0 |
| 220 | - | - | - | - | - | - | 1 | 223 | 100 | - | 0.90 | 0 | 1 | 223 | 100 | - | 0.90 | 0 |
| 230 | - | - | - | - | - | - | 1 | 235 | 100 | - | 0.77 | 0 | 1 | 235 | 100 | - | 0.77 | 0 |
| 240 | - | - | - | - | - | - | 2 | 242 | 125 | 35 | 0.88 | 0 | 2 | 242 | 125 | 35 | 0.88 | 0 |
| 280 | 1 | 288 | 250 | - | 1.05 | 0 | 3 | 284 | 217 | 29 | 0.95 | 67 | 4 | 285 | 225 | 29 | 0.97 | 50 |
| 290 | 1 | 295 | 250 | - | 0.97 | 0 | - | - | - | - | - | - | 1 | 295 | 250 | - | 0.97 | 0 |
| 300 | 4 | 305 | 288 | 25 | 1.02 | 100 | 3 | 304 | 317 | 29 | 1.13 | 100 | 7 | 304 | 300 | 29 | 1.07 | 100 |
| 310 | 1 | 311 | 300 | - | 1.00 | 100 | 1 | 315 | 300 | - | 0.96 | 100 | 2 | 313 | 300 | 0 | 0.98 | 100 |
| 340 | - | - | - | - | - | - | 2 | 345 | 400 | 71 | 0.98 | 100 | 2 | 345 | 400 | 71 | 0.98 | 100 |
| 370 | - | - | - | - | - | - | 1 | 375 | 350 | - | 0.66 | 100 | 1 | 375 | 350 | - | 0.66 | 100 |
| 420 | - | - | - | - | - | - | 1 | 425 | 950 | - | 1.24 | 100 | 1 | 425 | 950 | - | 1.24 | 100 |
| TOTAL | 8 | | | | | | 17 | | | | | | 25 | | | | | |
| MEAN | | 289 | 253 | 76 | 1.01 | | | 289 | 269 | 211 | 0.94 | | | 289 | 264 | 178 | 0.96 | |

Table 70. Biological data by age group for round whitefish caught by tagging nets from Nueltin Lake, 1981.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 4 | 2 | 246 | 70.0 | 163 | 124 | 0.98 | 0 | 3 | 213 | 20.1 | 75 | 25 | 0.76 | 0 | 5 | 226 | 41.8 | 110 | 80 | 0.85 | 0 |
| 5 | 1 | 288 | - | 250 | - | 1.05 | 0 | 3 | 236 | 11.2 | 117 | 29 | 0.89 | 0 | 4 | 249 | 27.7 | 150 | 71 | 0.93 | 0 |
| 6 | 2 | 304 | 5.7 | 275 | 35 | 0.98 | 100 | 1 | 280 | - | 200 | - | 0.91 | 0 | 3 | 296 | 14.4 | 250 | 50 | 0.95 | 67 |
| 7 | 2 | 307 | 6.4 | 300 | 0 | 1.04 | 100 | 1 | 304 | - | 350 | - | 1.25 | 100 | 3 | 306 | 4.7 | 317 | 29 | 1.11 | 100 |
| 8 | 1 | 308 | - | 300 | - | 1.03 | 100 | 6 | 327 | 33.7 | 333 | 68 | 0.97 | 100 | 7 | 324 | 31.6 | 329 | 64 | 0.98 | 100 |
| 9 | - | - | - | - | - | - | - | 1 | 315 | - | 300 | - | 0.96 | 100 | 1 | 315 | - | 300 | - | 0.96 | 100 |
| 13 | - | - | - | - | - | - | - | 1 | 425 | - | 950 | - | 1.24 | 100 | 1 | 425 | - | 950 | - | 1.24 | 100 |
| TOTAL | 8 | | | | | | | 16 | | | | | | | 24 | | | | | | |
| MEAN | | 289 | 38 | 253 | 76 | 1.01 | | | 289 | 63.6 | 273 | 217 | 0.94 | | | 289 | 55.5 | 267 | 181 | 0.97 | |
| MEAN AGE | 6.5 | | | | | | | | | | | | | | | | | | | | |

Table 71. Biological data by length interval for lake cisco caught by tagging nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % MAT |
| 150 | - | - | - | - | - | - | 2 | 155 | 50 | 0 | 1.34 | 100 | 2 | 155 | 50 | 0 | 1.34 | 100 |
| 160 | 6 | 167 | 58 | 20 | 1.27 | 83 | 15 | 166 | 60 | 21 | 1.30 | 87 | 23 | 166 | 59 | 19 | 1.28 | 78 |
| 170 | 19 | 175 | 55 | 16 | 1.03 | 84 | 20 | 174 | 56 | 13 | 1.05 | 80 | 40 | 175 | 55 | 14 | 1.04 | 80 |
| 180 | 9 | 185 | 67 | 22 | 1.04 | 100 | 14 | 184 | 63 | 21 | 1.00 | 93 | 24 | 185 | 64 | 21 | 1.01 | 92 |
| 190 | 25 | 194 | 79 | 20 | 1.08 | 92 | 22 | 195 | 76 | 21 | 1.03 | 77 | 47 | 194 | 78 | 20 | 1.05 | 85 |
| 200 | 34 | 205 | 97 | 12 | 1.12 | 97 | 32 | 204 | 95 | 12 | 1.13 | 94 | 66 | 205 | 96 | 12 | 1.12 | 95 |
| 210 | 35 | 214 | 103 | 16 | 1.05 | 97 | 30 | 214 | 104 | 13 | 1.06 | 100 | 65 | 214 | 103 | 15 | 1.05 | 98 |
| 220 | 11 | 223 | 109 | 17 | 0.98 | 100 | 11 | 223 | 116 | 23 | 1.05 | 100 | 22 | 223 | 113 | 20 | 1.02 | 100 |
| 230 | 2 | 238 | 138 | 18 | 1.03 | 100 | - | - | - | - | - | - | 2 | 238 | 138 | 18 | 1.03 | 100 |
| 240 | 1 | 242 | 175 | - | 1.23 | 100 | 2 | 243 | 150 | 0 | 1.05 | 100 | 3 | 242 | 158 | 14 | 1.11 | 100 |
| 250 | 3 | 255 | 200 | 0 | 1.21 | 100 | 1 | 254 | 200 | - | 1.22 | 100 | 4 | 255 | 200 | 0 | 1.21 | 100 |
| 260 | 2 | 267 | 225 | 35 | 1.19 | 100 | 4 | 265 | 188 | 25 | 1.01 | 100 | 6 | 265 | 200 | 32 | 1.07 | 100 |
| 270 | - | - | - | - | - | - | 1 | 272 | 200 | - | 0.99 | 100 | 1 | 272 | 200 | - | 0.99 | 100 |
| 300 | - | - | - | - | - | - | 1 | 301 | 350 | - | 1.28 | 100 | 1 | 301 | 350 | - | 1.28 | 100 |
| TOTAL | 147 | | | | | | 155 | | | | | | 306 | | | | | |
| MEAN | | 203 | 92 | 34 | 1.08 | | | 200 | 90 | 40 | 1.09 | | | 201 | 90 | 37 | 1.08 | |



Table 72. Biological data by age group for lake cisco caught by tagging nets from Nueltin Lake, 1981.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT | N | LENGTH(MM) MEAN | SD | WEIGHT(G) MEAN | SD | K | % MAT |
| 2 | - | - | - | - | - | - | - | 2 | 170 | 0.7 | 50 | 0 | 1.03 | 0 | 5 | 169 | 3.2 | 50 | 0 | 1.04 | 0 |
| 3 | - | - | - | - | - | - | - | 1 | 167 | - | 50 | - | 1.07 | 100 | 1 | 167 | - | 50 | - | 1.07 | 100 |
| 4 | 27 | 189 | 18.3 | 72 | 24 | 1.04 | 93 | 43 | 183 | 18.7 | 69 | 22 | 1.12 | 88 | 71 | 185 | 18.6 | 70 | 23 | 1.08 | 89 |
| 5 | 103 | 204 | 15.4 | 92 | 26 | 1.06 | 96 | 92 | 205 | 18.5 | 95 | 31 | 1.07 | 92 | 195 | 205 | 16.9 | 93 | 29 | 1.07 | 94 |
| 6 | 10 | 234 | 26.9 | 160 | 52 | 1.21 | 100 | 6 | 227 | 31.9 | 138 | 49 | 1.15 | 100 | 16 | 232 | 28.0 | 152 | 50 | 1.19 | 100 |
| 7 | 1 | 200 | - | 100 | - | 1.25 | 0 | 2 | 253 | 68.6 | 213 | 194 | 1.08 | 100 | 3 | 235 | 57.2 | 175 | 152 | 1.14 | 67 |
| TOTAL | 141 | | | | | | | 146 | | | | | | | 291 | | | | | | |
| MEAN | | 203 | 20 | 93 | 35 | 1.07 | | | 199 | 24.1 | 89 | 40 | 1.09 | | | 201 | 22.2 | 90 | 37 | 1.08 | |
| MEAN AGE | 4.8 | | | | | | | | | | | | | | | | | | | | |

Table 73. Biological data by length interval for northern pike caught by tagging nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 600 | 1 | 603 | 1600 | - | 0.73 | 100 | - | - | - | - | - | - | 1 | 603 | 1600 | - | 0.73 | 100 |
| 680 | - | - | - | - | - | - | 1 | 695 | 2000 | - | 0.60 | 100 | 1 | 695 | 2000 | - | 0.60 | 100 |
| 780 | - | - | - | - | - | - | 2 | 795 | 2450 | 71 | 0.49 | 100 | 2 | 795 | 2450 | 71 | 0.49 | 100 |
| 840 | - | - | - | - | - | - | 1 | 846 | 4750 | - | 0.78 | 100 | 1 | 846 | 4750 | - | 0.78 | 100 |
| TOTAL | 1 | | | | | | 4 | | | | | | 5 | | | | | |
| MEAN | | 603 | 1600 | - | 0.73 | | | 783 | 2913 | 1244 | 0.59 | | | 747 | 2650 | 1227 | 0.62 | |

Table 74. Biological data by age group for northern pike caught by tagging nets from Nueltin Lake, 1981.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 7 | 1 | 603 | - | 1600 | - | 0.73 | 100 | 1 | 695 | - | 2000 | - | 0.60 | 100 | 2 | 649 | 65.1 | 1800 | 283 | 0.66 | 100 |
| 9 | - | - | - | - | - | - | - | 2 | 819 | 38.9 | 3625 | 1591 | 0.64 | 100 | 2 | 819 | 38.9 | 3625 | 1591 | 0.64 | 100 |
| TOTAL | 1 | | | | | | | 3 | | | | | | | 4 | | | | | | |
| MEAN | | 603 | - | 1600 | - | 0.73 | | | 777 | 76.4 | 3083 | 1465 | 0.63 | | | 734 | 107.2 | 2713 | 1407 | 0.65 | |
| MEAN AGE | 8.0 | | | | | | | | | | | | | | | | | | | | |

Table 75. Biological data by length interval for burbot caught by tagging nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 220 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 229 | 75 | - | 0.62 | 0 |
| 240 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 243 | 50 | - | 0.35 | 0 |
| TOTAL | 0 | | | | | | 0 | | | | | | 2 | | | | | |
| MEAN | | - | - | - | - | | | - | - | - | - | | | 236 | 63 | 18 | 0.49 | |

Table 76. Biological data by age group for burbot caught by tagging nets from Nueltin Lake, 1981.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 236 | 9.9 | 63 | 18 | 0.49 | 0 |
| TOTAL | 0 | | | | | | | | | | | | | | | | | | | | |
| MEAN | | - | - | - | - | - | | 0 | - | - | - | - | - | | 2 | | | | | | |
| MEAN AGE | 7.0 | | | | | | | | | | | | | | | 236 | 9.9 | 63 | 18 | 0.49 | |

Table 77. Biological data by length interval for longnose sucker caught by tagging nets from Nueltin Lake, 1981.

| LENGTH INTERVAL (MM) | NO. | PERCENT | MEAN FORK LENGTH(MM) | ROUND WEIGHT(G) MEAN | ROUND WEIGHT(G) SD |
|---|---|---|---|---|---|
| 140 | 1 | 8 | 143 | 50 | - |
| 150 | 2 | 17 | 155 | 75 | 35 |
| 160 | 5 | 42 | 163 | 90 | 22 |
| 180 | 1 | 8 | 187 | 100 | - |
| 190 | 1 | 8 | 190 | 100 | - |
| 200 | 1 | 8 | 209 | 150 | - |
| 400 | 1 | 8 | 406 | 950 | - |
| TOTAL | 12 | | | | |
| MEAN | | | 188 | 163 | 250 |

Table 78. Summary of information pertaining to lodge operation and creel census survey at Snowbird Lake, 1982.

| Location | Lodge Operation | | | | | Creel Census | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Period | Duration (days) | No. of Guests Estimated | No. of Guests License Sale[1] | Angler-days[2] | Period | Duration (days) Total | Duration (days) Censused | No. Anglers | Angler-days | Angler-hours |
| Snowbird Lake | 25 July 3 September | 40 | 78 | 91 | 511 | 25 July 3 September | 40 | 40 | 78 | 511 | 2 551.5 |

[1] Provided by Dept. Renewable Resource, Government of Northwest Territories.
[2] Estimated from number anglers interviewed during creel census.

Table 79. Observed catch, effort and catch/effort statistics of anglers during the creel census survey at Snowbird Lake, 1982.

| Location | Species | Catch No. | Catch Wt(Kg) | Angler effort days | Angler effort hours | Fish per angler No. | Fish per angler Wt(kg) | Fish per angler-day No. | Fish per angler-day Wt(kg) | Fish per angler-hour No. | Fish per angler-hour Wt(Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Snowbird Lake | Lake trout[1] | 1 142 | 2 627) | 511 | 2551.5 | 14.6 | 33.7 | 2.2 | 5.1 | 0.5 | 1.0 |
| | Northern pike[2] | 628 | 1 821) | | | 8.1 | 23.3 | 1.2 | 3.6 | 0.3 | 0.7 |
| | Arctic grayling[3] | 388 | 349) | | | 5.0 | 4.5 | 0.8 | 0.7 | 0.2 | 0.1 |

[1] Mean weight = 2.3 kg.
[2] Mean weight = 2.9 kg.
[3] Mean weight = 0.9 kg.

Table 80. Summary of harvest statistics for Snowbird Lake, 1982.

| Location | Species | Census Harvest[1] No. | Census Harvest[1] Wt(kg) | Total Harvest[2] No. | Total Harvest[2] Wt(kg) | Harvest per Hectare fished No. | Harvest per Hectare fished Wt(kg) | Harvest per Hectare available No. | Harvest per Hectare available Wt(kg) | Harvest per Angler No. | Harvest per Angler Wt(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Snowbird Lake | lake trout[3] | 225 | 518 | 289 | 666 | 0.07 | 0.17 | 0.01 | 0.01 | 3.7 | 8.5 |
| | northern pike[4] | 71 | 206 | 110 | 319 | 0.03 | 0.08 | <0.01 | 0.01 | 1.4 | 4.9 |
| | Arctic grayling[5] | 60 | 54 | 83 | 75 | 0.02 | 0.02 | <0.01 | <0.01 | 1.1 | 1.0 |

[1] Includes fish retained and shore lunches.
[2] Includes fish retained, shore lunches and release mortality (7%).
[3] Mean weight = 2.3 kg.
[4] Mean weight = 2.9 kg.
[5] Mean weight = 0.9 kg.

Table 81. Biological data by length interval for angled lake trout from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 250 | - | - | - | - | - | - | 1 | 273 | 200 | - | 0.98 | 0 | 1 | 273 | 200 | - | 0.98 | 0 |
| 450 | 1 | 457 | 1000 | - | 1.05 | 0 | - | - | - | - | - | - | 1 | 457 | 1000 | - | 1.05 | 0 |
| 475 | - | - | - | - | - | - | 1 | 491 | 1300 | - | 1.10 | 0 | 1 | 491 | 1300 | - | 1.10 | 0 |
| 500 | 2 | 508 | 1375 | 177 | 1.05 | 100 | 2 | 505 | 1300 | 0 | 1.01 | 0 | 4 | 506 | 1338 | 111 | 1.03 | 50 |
| 525 | 1 | 544 | 1750 | - | 1.09 | 100 | 1 | 545 | 1700 | - | 1.05 | 0 | 2 | 545 | 1725 | 35 | 1.07 | 50 |
| 575 | - | - | - | - | - | - | 4 | 588 | 2025 | 260 | 1.00 | 100 | 4 | 588 | 2025 | 260 | 1.00 | 100 |
| 625 | - | - | - | - | - | - | 1 | 630 | 2700 | - | 1.08 | 100 | 1 | 630 | 2700 | - | 1.08 | 100 |
| 650 | - | - | - | - | - | - | 1 | 673 | 3100 | - | 1.02 | 100 | 1 | 673 | 3100 | - | 1.02 | 100 |
| 675 | 1 | 680 | 3100 | - | 0.99 | 100 | - | - | - | - | - | - | 2 | 686 | 3425 | 460 | 1.06 | 100 |
| 750 | 1 | 755 | 5300 | - | 1.23 | 100 | - | - | - | - | - | - | 1 | 755 | 5300 | - | 1.23 | 100 |
| 900 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 902 | 9000 | - | 1.23 | - |
| TOTAL | 6 | | | | | | 11 | | | | | | 19 | | | | | |
| MEAN | | 575 | 2317 | 1635 | 1.08 | | | 543 | 1791 | 789 | 1.02 | | | 580 | 2439 | 1959 | 1.06 | |



Table 82. Biological data by age group for angled lake trout from Snowbird Lake, 1982.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 6 | - | - | - | - | - | - | - | 1 | 273 | - | 200 | - | 0.98 | 0 | 1 | 273 | - | 200 | - | 0.98 | 0 |
| 10 | 2 | 508 | 7.8 | 1375 | 177 | 1.05 | 100 | - | - | - | - | - | - | - | 2 | 508 | 7.8 | 1375 | 177 | 1.05 | 100 |
| 13 | - | - | - | - | - | - | - | 2 | 500 | 12.0 | 1300 | 0 | 1.04 | 0 | 2 | 500 | 12.0 | 1300 | 0 | 1.04 | 0 |
| 14 | 1 | 457 | - | 1000 | - | 1.05 | 0 | - | - | - | - | - | - | - | 1 | 457 | - | 1000 | - | 1.05 | 0 |
| 15 | 1 | 544 | - | 1750 | - | 1.09 | 100 | 1 | 595 | - | 1750 | - | 0.83 | 100 | 2 | 570 | 36.1 | 1750 | 0 | 0.96 | 100 |
| 16 | - | - | - | - | - | - | - | 1 | 545 | - | 1700 | - | 1.05 | 0 | 1 | 545 | - | 1700 | - | 1.05 | 0 |
| 18 | - | - | - | - | - | - | - | 1 | 580 | - | 2350 | - | 1.20 | 100 | 1 | 580 | - | 2350 | - | 1.20 | 100 |
| 19 | 1 | 755 | - | 5300 | - | 1.23 | 100 | 1 | 591 | - | 1900 | - | 0.92 | 100 | 2 | 673 | 116.0 | 3600 | 2404 | 1.08 | 100 |
| 20 | - | - | - | - | - | - | - | 1 | 630 | - | 2700 | - | 1.08 | 100 | 1 | 630 | - | 2700 | - | 1.08 | 100 |
| 33 | 1 | 680 | - | 3100 | - | 0.99 | 100 | - | - | - | - | - | - | - | 1 | 680 | - | 3100 | - | 0.99 | 100 |
| TOTAL | 6 | | | | | | | 8 | | | | | | | 14 | | | | | | |
| MEAN | | 575 | 116 | 2317 | 1635 | 1.08 | | | 527 | 112.5 | 1650 | 757 | 1.02 | | | 547 | 112.4 | 1936 | 1206 | 1.04 | |
| MEAN AGE | 15.8 | | | | | | | | | | | | | | | | | | | | |

Table 83. Biological data by length interval for angled Arctic grayling from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 290 | 1 | 293 | 300 | - | 1.19 | 0 | - | - | - | - | - | - | 1 | 293 | 300 | - | 1.19 | 0 |
| 370 | 1 | 378 | 575 | - | 1.06 | 100 | - | - | - | - | - | - | 1 | 378 | 575 | - | 1.06 | 100 |
| 410 | 3 | 415 | 858 | 14 | 1.20 | 100 | 1 | 413 | 825 | - | 1.17 | 100 | 4 | 414 | 850 | 20 | 1.20 | 100 |
| 420 | 1 | 429 | 975 | - | 1.23 | 100 | 2 | 423 | 850 | 71 | 1.13 | 100 | 4 | 424 | 894 | 72 | 1.17 | 100 |
| 430 | - | - | - | - | - | - | 2 | 434 | 963 | 53 | 1.18 | 100 | 3 | 435 | 975 | 43 | 1.18 | 100 |
| 440 | 1 | 440 | 950 | - | 1.12 | 100 | - | - | - | - | - | - | 3 | 444 | 1000 | 50 | 1.14 | 100 |
| 450 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 450 | 1000 | - | 1.10 | - |
| TOTAL | 7 | | | | | | 5 | | | | | | 17 | | | | | |
| MEAN | | 398 | 768 | 244 | 1.17 | | | 425 | 890 | 80 | 1.16 | | | 418 | 869 | 184 | 1.16 | |



Table 84. Biological data by age group for angled Arctic grayling from Snowbird Lake, 1982.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 4 | 1 | 293 | - | 300 | - | 1.19 | 0 | - | - | - | - | - | - | - | 1 | 293 | - | 300 | - | 1.19 | 0 |
| 5 | 1 | 378 | - | 575 | - | 1.06 | 100 | - | - | - | - | - | - | - | 1 | 378 | - | 575 | - | 1.06 | 100 |
| 8 | 3 | 419 | 8.7 | 892 | 72 | 1.21 | 100 | 2 | 417 | 4.9 | 813 | 18 | 1.13 | 100 | 5 | 418 | 6.8 | 860 | 68 | 1.18 | 100 |
| 9 | 1 | 440 | - | 950 | - | 1.12 | 100 | 2 | 434 | 0.0 | 963 | 53 | 1.18 | 100 | 3 | 436 | 3.5 | 958 | 38 | 1.16 | 100 |
| 11 | - | - | - | - | - | - | - | 1 | 425 | - | 900 | - | 1.17 | 100 | 1 | 425 | - | 900 | - | 1.17 | 100 |
| TOTAL | 6 | | | | | | | 5 | | | | | | | 11 | | | | | | |
| MEAN | | 395 | 54 | 750 | 262 | 1.17 | | | 425 | 9.1 | 890 | 80 | 1.16 | | | 409 | 41.8 | 814 | 206 | 1.16 | |
| MEAN AGE | 7.9 | | | | | | | | | | | | | | | | | | | | |

Table 85. Biological data by length interval for angled northern pike from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 740 | 1 | 750 | 3200 | - | 0.76 | 100 | - | - | - | - | - | - | 1 | 750 | 3200 | - | 0.76 | 100 |
| TOTAL | 1 | | | | | | 0 | | | | | | 1 | | | | | |
| MEAN | | 750 | 3200 | - | 0.76 | | | - | - | - | - | | | 750 | 3200 | - | 0.76 | |



Table 86. Biological data by age group for angled northern pike from Snowbird Lake, 1982.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % | LENGTH(MM) | | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 8 | 1 | 750 | - | 3200 | - | 0.76 | 100 | - | - | - | - | - | - | - | 1 | 750 | - | 3200 | - | 0.76 | 100 |
| TOTAL | 1 | | | | | | | 0 | | | | | | | 1 | | | | | | |
| MEAN | | 750 | - | 3200 | - | 0.76 | | | - | - | - | - | - | | | 750 | - | 3200 | - | 0.76 | |
| MEAN AGE | 8.0 | | | | | | | | | | | | | | | | | | | | |

Table 87. Catch and catch per unit effort (CPE) data for fish caught by experimental gillnets from Snowbird Lake, 1982.

| Fish Species | | Mesh Size 1.5 (in) 38 (mm) | 2.5 64 | 3.5 89 | 4.5 114 | 5.5 139 | Total Catch (kg) | CPE[1] |
|---|---|---|---|---|---|---|---|---|
| Lake trout | No. | 49 | 54 | 55 | 56 | 36 | 250 | 8.2 |
| | % | 19.6 | 21.6 | 22.0 | 22.4 | 14.4 | 39.9 | |
| Lake whitefish | No. | 35 | 63 | 100 | 80 | 56 | 334 | 10.9 |
| | % | 10.5 | 18.9 | 29.9 | 24.0 | 16.8 | 53.3 | |
| Round whitefish | No. | 19 | 8 | - | - | - | 27 | 0.9 |
| | % | 70.4 | 29.6 | - | - | - | 4.3 | |
| Longnose sucker | No. | 3 | 1 | - | - | - | 4 | 0.1 |
| | % | 75.0 | 25.0 | - | - | - | 0.6 | |
| White Sucker | No. | 4 | 2 | 1 | 1 | - | 8 | 0.3 |
| | % | 50.0 | 25.0 | 12.5 | 12.5 | - | 1.3 | |
| Northern Pike | No. | - | - | 3 | - | - | 3 | 0.1 |
| | % | - | - | 100 | - | - | 0.5 | |
| Burbot | No. | - | - | - | - | 1 | 1 | <0.1 |
| | % | - | - | - | - | 100 | 0.2 | |
| Total | No. | 110 | 128 | 159 | 137 | 93 | 627 | 20.5 |
| | % | 17.5 | 20.4 | 25.4 | 21.9 | 14.8 | | |

[1] No. fish per 100 m gillnet per 24 h.

Table 88. Biological data by length interval for lake trout caught by experimental nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 175 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 190 | 70 | 21 | 1.01 | 0 |
| 200 | - | - | - | - | - | - | 1 | 206 | 100 | - | 1.14 | 0 | 3 | 213 | 100 | 0 | 1.04 | 0 |
| 225 | 1 | 244 | 150 | - | 1.03 | 0 | - | - | - | - | - | - | 1 | 244 | 150 | - | 1.03 | 0 |
| 250 | 1 | 261 | 200 | - | 1.12 | 0 | - | - | - | - | - | - | 1 | 261 | 200 | - | 1.12 | 0 |
| 275 | 2 | 282 | 225 | 35 | 1.00 | 0 | 1 | 288 | 250 | - | 1.05 | 0 | 3 | 284 | 233 | 29 | 1.01 | 0 |
| 300 | 1 | 312 | 300 | - | 0.99 | 0 | 2 | 308 | 325 | 35 | 1.11 | 0 | 3 | 309 | 317 | 29 | 1.07 | 0 |
| 325 | 1 | 332 | 400 | - | 1.09 | 0 | 1 | 331 | 400 | - | 1.10 | 0 | 2 | 332 | 400 | 0 | 1.10 | 0 |
| 350 | - | - | - | - | - | - | 2 | 353 | 475 | 35 | 1.08 | 0 | 2 | 353 | 475 | 35 | 1.08 | 0 |
| 375 | 2 | 377 | 625 | 35 | 1.17 | 0 | - | - | - | - | - | - | 2 | 377 | 625 | 35 | 1.17 | 0 |
| 400 | 1 | 416 | 800 | - | 1.11 | 0 | 4 | 413 | 790 | 45 | 1.12 | 0 | 5 | 414 | 792 | 40 | 1.12 | 0 |
| 425 | - | - | - | - | - | - | 5 | 436 | 890 | 74 | 1.07 | 0 | 5 | 436 | 890 | 74 | 1.07 | 0 |
| 450 | 6 | 465 | 1108 | 128 | 1.10 | 33 | 8 | 460 | 1044 | 68 | 1.07 | 0 | 14 | 462 | 1071 | 99 | 1.08 | 14 |
| 475 | 4 | 490 | 1300 | 41 | 1.11 | 0 | 3 | 478 | 1150 | 150 | 1.05 | 0 | 7 | 485 | 1236 | 121 | 1.08 | 0 |
| 500 | 8 | 511 | 1519 | 100 | 1.14 | 50 | 5 | 512 | 1500 | 137 | 1.11 | 20 | 13 | 512 | 1512 | 110 | 1.13 | 38 |
| 525 | 12 | 537 | 1679 | 212 | 1.09 | 42 | 7 | 537 | 1786 | 157 | 1.15 | 71 | 19 | 537 | 1718 | 196 | 1.11 | 53 |
| 550 | 17 | 559 | 1965 | 261 | 1.13 | 76 | 5 | 564 | 1970 | 164 | 1.10 | 80 | 22 | 560 | 1966 | 239 | 1.12 | 77 |
| 575 | 17 | 587 | 2172 | 224 | 1.07 | 88 | 11 | 586 | 2227 | 192 | 1.11 | 91 | 28 | 587 | 2194 | 210 | 1.08 | 89 |
| 600 | 20 | 611 | 2458 | 232 | 1.08 | 100 | 13 | 611 | 2488 | 212 | 1.09 | 92 | 33 | 611 | 2470 | 221 | 1.08 | 97 |
| 625 | 13 | 635 | 2554 | 261 | 1.00 | 100 | 14 | 636 | 2636 | 340 | 1.02 | 100 | 27 | 635 | 2596 | 302 | 1.01 | 100 |
| 650 | 10 | 660 | 2633 | 323 | 0.92 | 100 | 7 | 663 | 2893 | 241 | 0.99 | 100 | 18 | 661 | 2749 | 305 | 0.95 | 100 |
| 675 | 1 | 676 | 3850 | - | 1.25 | 100 | 10 | 691 | 3395 | 493 | 1.03 | 100 | 11 | 689 | 3436 | 487 | 1.05 | 100 |
| 700 | 5 | 711 | 3380 | 629 | 0.94 | 100 | 4 | 705 | 3688 | 440 | 1.05 | 100 | 9 | 708 | 3517 | 545 | 0.99 | 100 |
| 725 | 1 | 738 | 3100 | - | 0.77 | 100 | 2 | 730 | 3300 | 566 | 0.85 | 100 | 3 | 733 | 3233 | 416 | 0.82 | 100 |
| 750 | - | - | - | - | - | - | 2 | 762 | 4375 | 389 | 0.99 | 100 | 2 | 762 | 4375 | 389 | 0.99 | 100 |
| 775 | 2 | 794 | 5850 | 0 | 1.17 | 100 | - | - | - | - | - | - | 2 | 794 | 5850 | 0 | 1.17 | 100 |
| 800 | 1 | 806 | 6900 | - | 1.32 | 100 | 2 | 806 | 5775 | 742 | 1.10 | 100 | 3 | 806 | 6150 | 835 | 1.18 | 100 |
| 825 | 1 | 835 | 6450 | - | 1.11 | 100 | - | - | - | - | - | - | 1 | 835 | 6450 | - | 1.11 | 100 |
| 875 | 1 | 880 | 7650 | - | 1.12 | 100 | 2 | 882 | 8200 | 1838 | 1.19 | 100 | 3 | 881 | 8017 | 1338 | 1.17 | 100 |
| 900 | 1 | 910 | 11800 | - | 1.57 | 100 | 1 | 904 | 6000 | - | 0.81 | 100 | 2 | 907 | 8900 | 4101 | 1.19 | 100 |
| 925 | 1 | 931 | 11300 | - | 1.40 | 100 | - | - | - | - | - | - | 1 | 931 | 11300 | - | 1.40 | 100 |
| 950 | 1 | 958 | 11900 | - | 1.35 | 100 | - | - | - | - | - | - | 1 | 958 | 11900 | - | 1.35 | 100 |
| TOTAL | 131 | | | | | | 112 | | | | | | 251 | | | | | |
| MEAN | | 585 | 2429 | 1817 | 1.07 | | | 582 | 2354 | 1410 | 1.07 | | | 573 | 2332 | 1658 | 1.07 | |

Table 89. Biological data by age group for lake trout caught by experimental nets from Snowbird Lake, 1982.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | - | - | - | - | - | - | - | 1 | 206 | - | 100 | - | 1.14 | 0 | 5 | 195 | 15.1 | 75 | 25 | 0.98 | 0 |
| 6 | 2 | 260 | 22.6 | 175 | 35 | 0.99 | 0 | - | - | - | - | - | - | - | 5 | 226 | 34.4 | 125 | 50 | 1.05 | 0 |
| 7 | 2 | 275 | 19.1 | 225 | 35 | 1.09 | 0 | - | - | - | - | - | - | - | 2 | 275 | 19.1 | 225 | 35 | 1.09 | 0 |
| 8 | 1 | 312 | - | 300 | - | 0.99 | 0 | 4 | 319 | 28.6 | 363 | 111 | 1.09 | 0 | 5 | 317 | 24.9 | 350 | 100 | 1.07 | 0 |
| 9 | 1 | 332 | - | 400 | - | 1.09 | 0 | 2 | 423 | 154.9 | 1000 | 919 | 1.12 | 50 | 3 | 392 | 121.3 | 800 | 737 | 1.11 | 33 |
| 10 | 3 | 451 | 65.0 | 1083 | 437 | 1.13 | 67 | 1 | 420 | - | 750 | - | 1.01 | 0 | 4 | 444 | 55.4 | 1000 | 394 | 1.10 | 50 |
| 11 | 1 | 509 | - | 1450 | - | 1.10 | 100 | 7 | 434 | 40.8 | 900 | 257 | 1.07 | 0 | 8 | 444 | 46.1 | 969 | 307 | 1.07 | 13 |
| 12 | 8 | 474 | 57.2 | 1256 | 468 | 1.13 | 25 | 8 | 455 | 40.8 | 1045 | 242 | 1.10 | 0 | 16 | 465 | 49.1 | 1151 | 376 | 1.11 | 13 |
| 13 | 12 | 517 | 42.0 | 1529 | 376 | 1.09 | 33 | 10 | 497 | 52.6 | 1405 | 475 | 1.11 | 40 | 22 | 508 | 47.0 | 1473 | 418 | 1.10 | 36 |
| 14 | 7 | 542 | 32.0 | 1693 | 380 | 1.06 | 57 | 7 | 539 | 53.1 | 1729 | 520 | 1.08 | 29 | 14 | 540 | 42.1 | 1711 | 438 | 1.07 | 43 |
| 15 | 14 | 553 | 28.7 | 1918 | 331 | 1.13 | 64 | 2 | 570 | 30.4 | 2025 | 672 | 1.08 | 50 | 16 | 555 | 28.4 | 1931 | 355 | 1.12 | 63 |
| 16 | 7 | 557 | 42.3 | 1979 | 478 | 1.13 | 86 | 6 | 575 | 38.4 | 2142 | 267 | 1.13 | 100 | 13 | 565 | 39.8 | 2054 | 389 | 1.13 | 92 |
| 17 | 5 | 591 | 37.2 | 2250 | 262 | 1.09 | 80 | 4 | 576 | 21.5 | 2150 | 216 | 1.13 | 50 | 9 | 584 | 30.6 | 2206 | 234 | 1.11 | 67 |
| 18 | 5 | 642 | 88.6 | 2940 | 1635 | 1.04 | 100 | 6 | 605 | 33.1 | 2358 | 383 | 1.06 | 100 | 11 | 622 | 63.6 | 2623 | 1111 | 1.05 | 100 |
| 19 | 6 | 645 | 65.0 | 2817 | 783 | 1.04 | 83 | 2 | 636 | 77.1 | 2850 | 707 | 1.11 | 100 | 8 | 643 | 62.3 | 2825 | 714 | 1.06 | 88 |
| 20 | 7 | 658 | 79.0 | 3161 | 1690 | 1.05 | 100 | 2 | 624 | 89.1 | 2375 | 530 | 0.99 | 100 | 9 | 650 | 76.7 | 2987 | 1516 | 1.04 | 100 |
| 21 | 9 | 619 | 34.7 | 2547 | 380 | 1.07 | 89 | 7 | 702 | 83.6 | 3957 | 1435 | 1.11 | 100 | 16 | 655 | 72.5 | 3164 | 1193 | 1.09 | 94 |
| 22 | 6 | 618 | 16.3 | 2342 | 325 | 0.99 | 83 | 8 | 662 | 95.8 | 3594 | 2462 | 1.12 | 100 | 14 | 643 | 74.5 | 3057 | 1928 | 1.07 | 93 |
| 23 | 8 | 671 | 135.0 | 3994 | 3298 | 1.13 | 100 | 4 | 636 | 33.9 | 3138 | 554 | 1.21 | 100 | 12 | 659 | 110.5 | 3708 | 2680 | 1.16 | 100 |
| 24 | 3 | 646 | 27.9 | 2633 | 407 | 0.98 | 100 | 3 | 678 | 21.2 | 3367 | 675 | 1.07 | 100 | 7 | 661 | 26.1 | 2986 | 586 | 1.03 | 100 |
| 25 | 2 | 599 | 3.5 | 2400 | 354 | 1.12 | 100 | 5 | 664 | 37.5 | 2880 | 615 | 0.97 | 100 | 7 | 645 | 44.1 | 2743 | 573 | 1.02 | 100 |
| 26 | 3 | 607 | 11.8 | 2433 | 375 | 1.09 | 100 | 2 | 624 | 19.8 | 2625 | 247 | 1.08 | 100 | 5 | 614 | 16.1 | 2510 | 311 | 1.08 | 100 |
| 27 | 1 | 598 | - | 2050 | - | 0.96 | 100 | 1 | 636 | - | 2850 | - | 1.11 | 100 | 2 | 617 | 26.9 | 2450 | 566 | 1.03 | 100 |
| 28 | 4 | 642 | 15.0 | 2550 | 265 | 0.96 | 100 | 3 | 728 | 39.6 | 3650 | 427 | 0.95 | 100 | 7 | 679 | 52.3 | 3021 | 664 | 0.96 | 100 |
| 29 | 3 | 646 | 24.4 | 2500 | 361 | 0.93 | 100 | 5 | 694 | 109.1 | 3440 | 2028 | 0.95 | 100 | 8 | 676 | 87.2 | 3088 | 1620 | 0.94 | 100 |
| 30 | 2 | 850 | 84.9 | 8825 | 4207 | 1.38 | 100 | 3 | 671 | 50.5 | 2950 | 650 | 0.97 | 100 | 5 | 743 | 112.5 | 5300 | 3872 | 1.13 | 100 |
| 31 | 4 | 717 | 164.0 | 5175 | 4530 | 1.18 | 100 | 2 | 654 | 25.5 | 3000 | 283 | 1.07 | 100 | 6 | 696 | 131.6 | 4450 | 3606 | 1.15 | 100 |
| 32 | - | - | - | - | - | - | - | 1 | 635 | - | 2400 | - | 0.94 | 100 | 1 | 635 | - | 2400 | - | 0.94 | 100 |
| 33 | 1 | 702 | - | 3800 | - | 1.10 | 100 | 1 | 640 | - | 2450 | - | 0.93 | 100 | 2 | 671 | 43.8 | 3125 | 955 | 1.02 | 100 |
| 34 | - | - | - | - | - | - | - | 1 | 676 | - | 3050 | - | 0.99 | 100 | 1 | 676 | - | 3050 | - | 0.99 | 100 |
| 38 | 1 | 659 | - | 2200 | - | 0.77 | 100 | - | - | - | - | - | - | - | 1 | 659 | - | 2200 | - | 0.77 | 100 |
| 40 | 1 | 700 | - | 2350 | - | 0.69 | 100 | 1 | 731 | - | 2900 | - | 0.74 | 100 | 2 | 716 | 21.9 | 2625 | 389 | 0.71 | 100 |
| 41 | - | - | - | - | - | - | - | 1 | 707 | - | 4300 | - | 1.22 | 100 | 1 | 707 | - | 4300 | - | 1.22 | 100 |
| 42 | - | - | - | - | - | - | - | 1 | 699 | - | 2700 | - | 0.79 | 100 | 1 | 699 | - | 2700 | - | 0.79 | 100 |
| 43 | 1 | 738 | - | 3100 | - | 0.77 | 100 | - | - | - | - | - | - | - | 1 | 738 | - | 3100 | - | 0.77 | 100 |
| 50 | 1 | 880 | - | 7650 | - | 1.12 | 100 | 1 | 904 | - | 6000 | - | 0.81 | 100 | 2 | 892 | 17.0 | 6825 | 1167 | 0.97 | 100 |
| TOTAL | 131 | | | | | | | 112 | | | | | | | 251 | | | | | | |
| MEAN | | 585 | 115 | 2429 | 1817 | 1.07 | | | 582 | 124.9 | 2354 | 1410 | 1.07 | | | 573 | 134.0 | 2332 | 1658 | 1.07 | |
| MEAN AGE | 18.9 | | | | | | | | | | | | | | | | | | | | |

Table 90. Biological data by length interval for lake whitefish caught by experimental nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 160 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| 190 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 165 | 50 | 0 | 1.11 | 0 |
| 200 | 1 | 207 | 150 | - | 1.69 | 0 | - | - | - | - | - | - | 2 | 198 | 50 | 0 | 0.64 | 0 |
| 310 | 1 | 315 | 400 | - | 1.28 | 0 | - | - | - | - | - | - | 1 | 207 | 150 | - | 1.69 | 0 |
| 330 | 1 | 331 | 450 | - | 1.24 | 0 | - | - | - | - | - | - | 1 | 315 | 400 | - | 1.28 | 0 |
| 350 | 3 | 357 | 583 | 58 | 1.29 | 0 | - | - | - | - | - | - | 1 | 331 | 450 | - | 1.24 | 0 |
| 360 | 1 | 360 | 700 | - | 1.50 | 0 | 1 | 365 | 600 | - | 1.23 | 0 | 3 | 357 | 583 | 58 | 1.29 | 0 |
| 370 | 1 | 377 | 750 | - | 1.40 | 0 | - | - | - | - | - | - | 2 | 363 | 650 | 71 | 1.37 | 0 |
| 380 | - | - | - | - | - | - | 2 | 387 | 725 | 106 | 1.25 | 0 | 1 | 377 | 750 | - | 1.40 | 0 |
| 390 | 2 | 395 | 875 | 35 | 1.42 | 0 | - | - | - | - | - | - | 2 | 387 | 725 | 106 | 1.25 | 0 |
| 400 | 1 | 400 | 900 | - | 1.41 | 0 | 4 | 406 | 925 | 50 | 1.38 | 0 | 2 | 395 | 875 | 35 | 1.42 | 0 |
| 410 | 2 | 414 | 1150 | 354 | 1.62 | 50 | 1 | 416 | 1100 | - | 1.53 | 0 | 5 | 405 | 920 | 45 | 1.39 | 0 |
| 420 | 5 | 425 | 1020 | 157 | 1.33 | 20 | - | - | - | - | - | - | 3 | 414 | 1133 | 252 | 1.59 | 33 |
| 430 | 6 | 436 | 1150 | 45 | 1.39 | 17 | 2 | 438 | 1150 | 0 | 1.37 | 0 | 6 | 426 | 1050 | 158 | 1.36 | 33 |
| 440 | 7 | 445 | 1193 | 35 | 1.36 | 29 | 7 | 444 | 1314 | 107 | 1.50 | 71 | 8 | 436 | 1150 | 38 | 1.39 | 13 |
| 450 | 11 | 454 | 1345 | 85 | 1.44 | 91 | 11 | 455 | 1382 | 106 | 1.46 | 91 | 14 | 444 | 1254 | 99 | 1.43 | 50 |
| 460 | 11 | 465 | 1427 | 47 | 1.42 | 91 | 8 | 465 | 1406 | 94 | 1.40 | 88 | 22 | 455 | 1364 | 95 | 1.45 | 91 |
| 470 | 10 | 475 | 1565 | 88 | 1.46 | 90 | 15 | 474 | 1533 | 88 | 1.44 | 93 | 20 | 465 | 1418 | 67 | 1.41 | 90 |
| 480 | 23 | 484 | 1635 | 97 | 1.44 | 91 | 19 | 485 | 1747 | 125 | 1.54 | 100 | 25 | 474 | 1546 | 88 | 1.45 | 92 |
| 490 | 24 | 494 | 1692 | 124 | 1.40 | 100 | 15 | 494 | 1753 | 179 | 1.45 | 93 | 42 | 484 | 1686 | 123 | 1.48 | 95 |
| 500 | 13 | 504 | 1869 | 169 | 1.46 | 100 | 16 | 504 | 1894 | 159 | 1.48 | 100 | 39 | 494 | 1715 | 148 | 1.42 | 97 |
| 510 | 19 | 514 | 1958 | 187 | 1.44 | 100 | 11 | 514 | 1973 | 135 | 1.45 | 100 | 29 | 504 | 1883 | 161 | 1.47 | 100 |
| 520 | 13 | 524 | 2069 | 183 | 1.43 | 100 | 8 | 525 | 2069 | 107 | 1.43 | 100 | 30 | 514 | 1963 | 167 | 1.45 | 100 |
| 530 | 9 | 534 | 2161 | 114 | 1.42 | 100 | 5 | 534 | 2190 | 96 | 1.43 | 100 | 21 | 525 | 2069 | 155 | 1.43 | 100 |
| 540 | 16 | 543 | 2275 | 170 | 1.42 | 100 | 5 | 545 | 2370 | 104 | 1.46 | 100 | 14 | 534 | 2171 | 105 | 1.43 | 100 |
| 550 | 5 | 556 | 2390 | 188 | 1.39 | 100 | 3 | 556 | 2300 | 132 | 1.34 | 100 | 21 | 544 | 2298 | 160 | 1.43 | 100 |
| 560 | 2 | 563 | 2400 | 283 | 1.34 | 100 | 3 | 561 | 2633 | 275 | 1.49 | 100 | 8 | 556 | 2356 | 166 | 1.37 | 100 |
| 570 | 1 | 570 | 2650 | - | 1.43 | 100 | 3 | 575 | 2850 | 87 | 1.50 | 100 | 5 | 562 | 2540 | 272 | 1.43 | 100 |
| 580 | 1 | 583 | 3000 | - | 1.51 | 100 | - | - | - | - | - | - | 4 | 574 | 2800 | 122 | 1.48 | 100 |
| | | | | | | | | | | | | | 1 | 583 | 3000 | - | 1.51 | 100 |
| TOTAL | 189 | | | | | | 139 | | | | | | 334 | | | | | |
| MEAN | | 487 | 1696 | 473 | 1.42 | | | 489 | 1741 | 428 | 1.46 | | | 484 | 1693 | 486 | 1.43 | |

Table 91. Biological data by age group for lake whitefish caught by experimental nets from Snowbird Lake, 1982.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 198 | - | 50 | - | 0.64 | 0 |
| 4 | 1 | 207 | - | 150 | - | 1.69 | 0 | - | - | - | - | - | - | - | 2 | 203 | 6.4 | 100 | 71 | 1.17 | 0 |
| 6 | 9 | 404 | 42.1 | 967 | 335 | 1.41 | 22 | 3 | 406 | 3.8 | 917 | 58 | 1.37 | 0 | 12 | 405 | 35.9 | 954 | 288 | 1.40 | 17 |
| 7 | 14 | 416 | 38.6 | 1021 | 285 | 1.38 | 21 | 4 | 421 | 53.0 | 1013 | 384 | 1.31 | 50 | 18 | 417 | 40.5 | 1019 | 297 | 1.36 | 28 |
| 8 | 14 | 462 | 51.3 | 1421 | 445 | 1.38 | 64 | 9 | 444 | 37.9 | 1294 | 380 | 1.44 | 56 | 24 | 454 | 45.8 | 1365 | 409 | 1.41 | 63 |
| 9 | 17 | 472 | 20.4 | 1506 | 221 | 1.42 | 82 | 18 | 472 | 27.6 | 1536 | 275 | 1.45 | 83 | 35 | 472 | 24.0 | 1521 | 247 | 1.44 | 83 |
| 10 | 31 | 488 | 24.9 | 1660 | 279 | 1.42 | 90 | 28 | 490 | 23.7 | 1748 | 257 | 1.48 | 96 | 59 | 489 | 24.1 | 1702 | 271 | 1.45 | 93 |
| 11 | 33 | 503 | 31.6 | 1868 | 344 | 1.45 | 100 | 30 | 496 | 28.3 | 1778 | 341 | 1.45 | 93 | 63 | 500 | 30.1 | 1825 | 343 | 1.45 | 97 |
| 12 | 34 | 514 | 24.2 | 1965 | 262 | 1.44 | 100 | 23 | 512 | 33.2 | 2026 | 462 | 1.49 | 100 | 57 | 513 | 27.9 | 1989 | 354 | 1.46 | 100 |
| 13 | 17 | 516 | 27.4 | 1944 | 313 | 1.40 | 100 | 12 | 510 | 25.5 | 1958 | 245 | 1.48 | 100 | 29 | 514 | 26.4 | 1950 | 282 | 1.43 | 100 |
| 14 | 9 | 525 | 25.2 | 2011 | 391 | 1.37 | 100 | 4 | 518 | 26.5 | 2013 | 189 | 1.45 | 100 | 13 | 523 | 24.7 | 2012 | 333 | 1.40 | 100 |
| 15 | 1 | 558 | - | 2700 | - | 1.55 | 100 | 2 | 560 | 0.0 | 2475 | 35 | 1.41 | 100 | 3 | 559 | 1.2 | 2550 | 132 | 1.46 | 100 |
| TOTAL | 180 | | | | | | | 133 | | | | | | | 316 | | | | | | |
| MEAN | | 486 | 50 | 1680 | 461 | 1.42 | | | 489 | 38.9 | 1741 | 427 | 1.46 | | | 485 | 51.0 | 1694 | 465 | 1.43 | |
| MEAN AGE | 10.4 | | | | | | | | | | | | | | | | | | | | |



Table 92. Biological data by length interval for round whitefish caught by experimental nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 190 | 1 | 195 | 75 | - | 1.01 | 0 | 2 | 199 | 75 | 0 | 0.96 | 0 | 3 | 197 | 75 | 0 | 0.98 | 0 |
| 200 | 2 | 204 | 75 | 0 | 0.88 | 0 | 3 | 204 | 75 | 0 | 0.88 | 0 | 5 | 204 | 75 | 0 | 0.88 | 0 |
| 210 | - | - | - | - | - | - | 1 | 219 | 100 | - | 0.96 | 0 | 2 | 217 | 100 | 0 | 0.99 | 0 |
| 220 | 4 | 224 | 100 | 0 | 0.89 | 0 | - | - | - | - | - | - | 5 | 223 | 100 | 0 | 0.90 | 0 |
| 230 | - | - | - | - | - | - | 1 | 234 | 150 | - | 1.17 | 0 | 1 | 234 | 150 | - | 1.17 | 0 |
| 240 | - | - | - | - | - | - | 1 | 240 | 150 | - | 1.09 | 0 | 1 | 240 | 150 | - | 1.09 | 0 |
| 260 | - | - | - | - | - | - | 1 | 268 | 200 | - | 1.04 | 100 | 1 | 268 | 200 | - | 1.04 | 100 |
| 300 | 2 | 301 | 300 | 71 | 1.11 | 0 | - | - | - | - | - | - | 2 | 301 | 300 | 71 | 1.11 | 0 |
| 310 | - | - | - | - | - | - | 1 | 315 | 350 | - | 1.12 | 100 | 1 | 315 | 350 | - | 1.12 | 100 |
| 320 | 2 | 326 | 350 | 0 | 1.01 | 50 | 1 | 326 | 300 | - | 0.87 | 100 | 3 | 326 | 333 | 29 | 0.97 | 67 |
| 330 | 1 | 336 | 350 | - | 0.92 | 100 | 1 | 339 | 400 | - | 1.03 | 100 | 2 | 338 | 375 | 35 | 0.97 | 100 |
| 340 | - | - | - | - | - | - | 1 | 345 | 400 | - | 0.97 | 100 | 1 | 345 | 400 | - | 0.97 | 100 |
| TOTAL | 12 | | | | | | 13 | | | | | | 27 | | | | | |
| MEAN | | 257 | 190 | 127 | 0.96 | | | 254 | 187 | 130 | 0.98 | | | 252 | 181 | 123 | 0.97 | |

Table 93. Biological data by age group for round whitefish caught by experimental nets from Snowbird Lake, 1982.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 4 | 207 | 12.4 | 81 | 13 | 0.92 | 0 | 5 | 206 | 8.4 | 80 | 11 | 0.91 | 0 | 11 | 208 | 9.9 | 84 | 13 | 0.93 | 0 |
| 4 | 3 | 224 | 3.1 | 100 | 0 | 0.89 | 0 | 1 | 234 | - | 150 | - | 1.17 | 0 | 4 | 226 | 5.7 | 113 | 25 | 0.96 | 0 |
| 5 | 1 | 300 | - | 350 | - | 1.30 | 0 | 1 | 268 | - | 200 | - | 1.04 | 100 | 2 | 284 | 22.6 | 275 | 106 | 1.17 | 50 |
| 6 | 2 | 313 | 17.0 | 300 | 71 | 0.97 | 0 | - | - | - | - | - | - | - | 2 | 313 | 17.0 | 300 | 71 | 0.97 | 0 |
| 7 | 1 | 326 | - | 350 | - | 1.01 | 100 | - | - | - | - | - | - | - | 1 | 326 | - | 350 | - | 1.01 | 100 |
| 8 | 1 | 336 | - | 350 | - | 0.92 | 100 | 2 | 342 | 4.2 | 400 | 0 | 1.00 | 100 | 3 | 340 | 4.6 | 383 | 29 | 0.97 | 100 |
| 9 | - | - | - | - | - | - | - | 1 | 315 | - | 350 | - | 1.12 | 100 | 1 | 315 | - | 350 | - | 1.12 | 100 |
| TOTAL | 12 | | | | | | | 10 | | | | | | | 24 | | | | | | |
| MEAN | | 257 | 55 | 190 | 127 | 0.96 | | | 253 | 59.3 | 190 | 140 | 0.99 | | | 252 | 54.2 | 182 | 127 | 0.97 | |
| MEAN AGE | 4.6 | | | | | | | | | | | | | | | | | | | | |

Table 94. Biological data by length interval for northern pike caught by experimental nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 640 | 1 | 658 | 1950 | - | 0.68 | 100 | - | - | - | - | - | - | 1 | 658 | 1950 | - | 0.68 | 100 |
| 780 | 1 | 783 | 2200 | - | 0.46 | 100 | - | - | - | - | - | - | 1 | 783 | 2200 | - | 0.46 | 100 |
| 860 | 1 | 864 | 4800 | - | 0.74 | 100 | - | - | - | - | - | - | 1 | 864 | 4800 | - | 0.74 | 100 |
| TOTAL | 3 | | | | | | 0 | | | | | | 3 | | | | | |
| MEAN | | 768 | 2983 | 1578 | 0.63 | | | - | - | - | - | | | 768 | 2983 | 1578 | 0.63 | |

Table 95. Biological data by age group for northern pike caught by experimental nets from Snowbird Lake, 1982.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 2 | 721 | 88.4 | 2075 | 177 | 0.57 | 100 | - | - | - | - | - | - | - | 2 | 721 | 88.4 | 2075 | 177 | 0.57 | 100 |
| 10 | 1 | 864 | - | 4800 | - | 0.74 | 100 | - | - | - | - | - | - | - | 1 | 864 | - | 4800 | - | 0.74 | 100 |
| TOTAL | 3 | | | | | | | 0 | | | | | | | 3 | | | | | | |
| MEAN | | 768 | 104 | 2983 | 1578 | 0.63 | | | - | - | - | - | - | | | 768 | 103.8 | 2983 | 1578 | 0.63 | |
| MEAN AGE | 8.0 | | | | | | | | | | | | | | | | | | | | |

Table 96. Biological data by length interval for burbot caught by experimental nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 510 | - | - | - | - | - | - | 1 | 519 | 850 | - | 0.61 | 100 | 1 | 519 | 850 | - | 0.61 | 100 |
| TOTAL | 0 | | | | | | 1 | | | | | | 1 | | | | | |
| MEAN | | - | - | - | - | | | 519 | 850 | - | 0.61 | | | 519 | 850 | - | 0.61 | |

Table 97. Biological data by age group for burbot caught by experimental nets from Snowbird Lake, 1982.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | - | - | - | - | - | - | - | 1 | 519 | - | 850 | - | 0.61 | 100 | 1 | 519 | - | 850 | - | 0.61 | 100 |
| TOTAL | 0 | | | | | | | 1 | | | | | | | 1 | | | | | | |
| MEAN | | - | - | - | - | - | | | 519 | - | 850 | - | 0.61 | | | 519 | - | 850 | - | 0.61 | |
| MEAN AGE | 10.0 | | | | | | | | | | | | | | | | | | | | |

Table 98. Biological data by length interval for longnose sucker caught by experimental nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | FEMALES N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | COMBINED N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % FEMALE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 160 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 50 | 165 | 50 | 0 | 1.11 | - |
| 170 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 25 | 176 | 50 | - | 0.92 | - |
| 290 | 1 | 100 | 296 | 350 | - | 1.35 | - | - | - | - | - | - | 1 | 25 | 296 | 350 | - | 1.35 | - |
| TOTAL | 1 | | | | | | 0 | | | | | | 4 | | | | | | |
| MEAN | | | 296 | 350 | - | 1.35 | | | - | - | - | - | | | 201 | 125 | 150 | 1.12 | 0 |

Table 99. Biological data by length interval for white sucker caught by experimental nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | FEMALES N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | COMBINED N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % FEMALE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 150 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 13 | 150 | 25 | - | 0.74 | - |
| 180 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 13 | 180 | 50 | - | 0.86 | - |
| 280 | 1 | 25 | 281 | 300 | - | 1.35 | - | - | - | - | - | - | 1 | 13 | 281 | 300 | - | 1.35 | - |
| 300 | - | - | - | - | - | - | 1 | 50 | 304 | 400 | - | 1.42 | 1 | 13 | 304 | 400 | - | 1.42 | - |
| 330 | 1 | 25 | 334 | 550 | - | 1.48 | - | - | - | - | - | - | 1 | 13 | 334 | 550 | - | 1.48 | - |
| 340 | 1 | 25 | 341 | 600 | - | 1.51 | - | - | - | - | - | - | 1 | 13 | 341 | 600 | - | 1.51 | - |
| 380 | 1 | 25 | 383 | 350 | - | 0.62 | - | - | - | - | - | - | 1 | 13 | 383 | 350 | - | 0.62 | - |
| 440 | - | - | - | - | - | - | 1 | 50 | 443 | 1150 | - | 1.32 | 1 | 13 | 443 | 1150 | - | 1.32 | - |
| TOTAL | 4 | | | | | | 2 | | | | | | 8 | | | | | | |
| MEAN | | | 335 | 450 | 147 | 1.24 | | | 374 | 775 | 530 | 1.37 | | | 302 | 428 | 357 | 1.16 | 33 |

Table 100. Biological data by length interval for lake trout caught by tagging nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 150 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 165 | 50 | 0 | 1.12 | 0 |
| 175 | 1 | 192 | 100 | - | 1.41 | 0 | 5 | 192 | 66 | 14 | 0.92 | 0 | 27 | 190 | 71 | 19 | 1.04 | 0 |
| 200 | 5 | 202 | 75 | 18 | 0.91 | 0 | 3 | 201 | 83 | 14 | 1.03 | 0 | 20 | 206 | 89 | 17 | 1.02 | 0 |
| 225 | 1 | 236 | 125 | - | 0.95 | 0 | - | - | - | - | - | - | 1 | 236 | 125 | - | 0.95 | 0 |
| 250 | 1 | 254 | 150 | - | 0.92 | 0 | - | - | - | - | - | - | 1 | 254 | 150 | - | 0.92 | 0 |
| 275 | 1 | 289 | 250 | - | 1.04 | 0 | - | - | - | - | - | - | 2 | 290 | 250 | 0 | 1.03 | 0 |
| 300 | 1 | 319 | 550 | - | 1.69 | 0 | - | - | - | - | - | - | 1 | 319 | 550 | - | 1.69 | 0 |
| 325 | 3 | 333 | 383 | 58 | 1.03 | 0 | 3 | 335 | 350 | 0 | 0.93 | 0 | 6 | 334 | 367 | 41 | 0.98 | 0 |
| 375 | 1 | 398 | 650 | - | 1.03 | 0 | 2 | 382 | 600 | 71 | 1.08 | 0 | 3 | 387 | 617 | 58 | 1.06 | 0 |
| 400 | 1 | 420 | 900 | - | 1.21 | 0 | 1 | 411 | 750 | - | 1.08 | 0 | 2 | 416 | 825 | 106 | 1.15 | 0 |
| 425 | 2 | 441 | 975 | 35 | 1.14 | 0 | 5 | 439 | 940 | 108 | 1.11 | 0 | 7 | 440 | 950 | 91 | 1.11 | 0 |
| 450 | 1 | 459 | 1100 | - | 1.14 | 0 | 2 | 464 | 1000 | 71 | 1.00 | 0 | 3 | 462 | 1033 | 76 | 1.05 | 0 |
| 475 | 2 | 490 | 1400 | 0 | 1.19 | 0 | 1 | 480 | 1100 | - | 0.99 | 0 | 3 | 486 | 1300 | 173 | 1.13 | 0 |
| 500 | 4 | 513 | 1588 | 85 | 1.18 | 25 | 2 | 514 | 1500 | 212 | 1.10 | 0 | 10 | 513 | 1558 | 124 | 1.15 | 17 |
| 525 | 2 | 535 | 1900 | 283 | 1.24 | 100 | 3 | 546 | 1883 | 76 | 1.16 | 33 | 15 | 540 | 1890 | 152 | 1.19 | 60 |
| 550 | 6 | 557 | 1883 | 186 | 1.09 | 50 | 2 | 552 | 1900 | 71 | 1.13 | 50 | 28 | 560 | 1888 | 160 | 1.10 | 50 |
| 575 | 4 | 583 | 2288 | 144 | 1.15 | 75 | 1 | 595 | 2250 | - | 1.07 | 100 | 31 | 588 | 2280 | 125 | 1.14 | 80 |
| 600 | 6 | 616 | 2530 | 196 | 1.08 | 100 | 2 | 606 | 2625 | 177 | 1.18 | 50 | 35 | 611 | 2557 | 181 | 1.11 | 86 |
| 625 | - | - | - | - | - | - | 1 | 641 | 2500 | - | 0.95 | 100 | 21 | 638 | 2500 | - | 0.95 | 100 |
| 650 | - | - | - | - | - | - | 3 | 652 | 3100 | 87 | 1.12 | 100 | 23 | 659 | 3100 | 87 | 1.12 | 100 |
| 675 | 1 | 689 | 2500 | - | 0.76 | 100 | - | - | - | - | - | - | 14 | 681 | 2500 | - | 0.76 | 100 |
| 700 | 1 | 718 | 4400 | - | 1.19 | 100 | - | - | - | - | - | - | 5 | 711 | 4400 | - | 1.19 | 100 |
| 725 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 737 | - | - | - | - |
| 750 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 759 | - | - | - | - |
| 775 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 779 | - | - | - | - |
| 800 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 813 | - | - | - | - |
| 825 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 843 | - | - | - | - |
| 850 | 1 | 867 | 9450 | - | 1.45 | 100 | - | - | - | - | - | - | 2 | 870 | 9450 | - | 1.45 | 100 |
| 875 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 875 | - | - | - | - |
| 900 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 917 | - | - | - | - |
| 925 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 933 | - | - | - | - |
| 950 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 953 | - | - | - | - |
| 975 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 994 | - | - | - | - |
| 1000 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1007 | - | - | - | - |
| 1075 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1090 | - | - | - | - |
| TOTAL | 44 | | | | | | 38 | | | | | | 294 | | | | | |
| MEAN | | 468 | 1584 | 1568 | 1.11 | | | 431 | 1198 | 987 | 1.05 | | | 545 | 998 | 1273 | 1.08 | |

Table 101. Biological data by age group for lake trout caught by tagging nets from Snowbird Lake, 1982.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 1 | 201 | - | 100 | - | 1.23 | 0 | - | - | - | - | - | - | - | 2 | 180 | 29.7 | 75 | 35 | 1.24 | 0 |
| 5 | 4 | 231 | 58.5 | 188 | 242 | 1.03 | 0 | 8 | 196 | 5.8 | 72 | 18 | 0.96 | 0 | 38 | 197 | 22.6 | 87 | 80 | 1.04 | 0 |
| 6 | 3 | 227 | 53.6 | 142 | 95 | 1.12 | 0 | - | - | - | - | - | - | - | 11 | 213 | 26.5 | 105 | 50 | 1.05 | 0 |
| 7 | 2 | 245 | 12.7 | 138 | 18 | 0.93 | 0 | - | - | - | - | - | - | - | 3 | 260 | 27.5 | 175 | 66 | 0.96 | 0 |
| 8 | 1 | 330 | - | 350 | - | 0.97 | 0 | - | - | - | - | - | - | - | 1 | 330 | - | 350 | - | 0.97 | 0 |
| 9 | 1 | 325 | - | 350 | - | 1.02 | 0 | 3 | 335 | 5.0 | 350 | 0 | 0.93 | 0 | 4 | 333 | 6.5 | 350 | 0 | 0.95 | 0 |
| 10 | 1 | 345 | - | 450 | - | 1.10 | 0 | 3 | 450 | 88.2 | 1117 | 723 | 1.12 | 33 | 4 | 424 | 89.1 | 950 | 678 | 1.11 | 25 |
| 11 | 2 | 446 | 67.2 | 1025 | 530 | 1.10 | 0 | - | - | - | - | - | - | - | 2 | 446 | 67.2 | 1025 | 530 | 1.10 | 0 |
| 12 | 4 | 486 | 66.7 | 1388 | 588 | 1.16 | 50 | 8 | 442 | 32.6 | 919 | 181 | 1.05 | 0 | 12 | 456 | 48.6 | 1075 | 410 | 1.09 | 17 |
| 13 | 5 | 508 | 47.2 | 1590 | 413 | 1.19 | 20 | 3 | 506 | 55.9 | 1500 | 444 | 1.13 | 0 | 8 | 508 | 46.5 | 1556 | 395 | 1.17 | 13 |
| 14 | 4 | 511 | 41.0 | 1563 | 325 | 1.16 | 50 | 2 | 578 | 40.3 | 2225 | 389 | 1.15 | 50 | 6 | 533 | 50.2 | 1783 | 459 | 1.16 | 50 |
| 15 | 6 | 569 | 34.0 | 2125 | 482 | 1.14 | 67 | 2 | 526 | 29.0 | 1575 | 318 | 1.08 | 0 | 8 | 558 | 36.7 | 1988 | 496 | 1.12 | 50 |
| 16 | - | - | - | - | - | - | - | 1 | 543 | - | 1900 | - | 1.19 | 0 | 1 | 543 | - | 1900 | - | 1.19 | 0 |
| 18 | 2 | 572 | 31.1 | 2050 | 283 | 1.09 | 50 | 1 | 595 | - | 2250 | - | 1.07 | 100 | 3 | 580 | 25.7 | 2117 | 231 | 1.08 | 67 |
| 19 | 1 | 623 | - | 2650 | - | 1.10 | 100 | - | - | - | - | - | - | - | 1 | 623 | - | 2650 | - | 1.10 | 100 |
| 20 | 2 | 662 | 79.9 | 3500 | 1273 | 1.18 | 100 | - | - | - | - | - | - | - | 2 | 662 | 79.9 | 3500 | 1273 | 1.18 | 100 |
| 23 | - | - | - | - | - | - | - | 1 | 606 | - | 2750 | - | 1.24 | 100 | 1 | 606 | - | 2750 | - | 1.24 | 100 |
| 24 | 1 | 867 | - | 9450 | - | 1.45 | 100 | 1 | 655 | - | 3150 | - | 1.12 | 100 | 2 | 761 | 149.9 | 6300 | 4455 | 1.29 | 100 |
| 25 | 1 | 615 | - | 2300 | - | 0.99 | 100 | - | - | - | - | - | - | - | 1 | 615 | - | 2300 | - | 0.99 | 100 |
| 26 | - | - | - | - | - | - | - | 2 | 646 | 6.4 | 2750 | 354 | 1.02 | 100 | 2 | 646 | 6.4 | 2750 | 354 | 1.02 | 100 |
| 30 | 1 | 689 | - | 2500 | - | 0.76 | 100 | - | - | - | - | - | - | - | 1 | 689 | - | 2500 | - | 0.76 | 100 |
| 31 | 1 | 615 | - | 2350 | - | 1.01 | 100 | - | - | - | - | - | - | - | 1 | 615 | - | 2350 | - | 1.01 | 100 |
| 34 | - | - | - | - | - | - | - | 1 | 651 | - | 3150 | - | 1.14 | 100 | 1 | 651 | - | 3150 | - | 1.14 | 100 |
| TOTAL | 43 | | | | | | | 36 | | | | | | | 115 | | | | | | |
| MEAN | | 465 | 164 | 1572 | 1584 | 1.11 | | | 431 | 155.3 | 1198 | 987 | 1.05 | | | 371 | 177.6 | 989 | 1275 | 1.08 | |
| MEAN AGE | 10.6 | | | | | | | | | | | | | | | | | | | | |

Table 102. Biological data by length interval for lake whitefish caught by tagging nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 200 | 1 | 207 | 100 | - | 1.13 | 0 | - | - | - | - | - | - | 1 | 207 | 100 | - | 1.13 | 0 |
| 220 | - | - | - | - | - | - | 1 | 220 | 50 | - | 0.47 | 0 | 2 | 224 | 75 | 35 | 0.66 | 0 |
| 240 | 1 | 241 | 150 | - | 1.07 | 0 | - | - | - | - | - | - | 1 | 241 | 150 | - | 1.07 | 0 |
| 260 | 1 | 267 | 150 | - | 0.79 | 0 | - | - | - | - | - | - | 1 | 267 | 150 | - | 0.79 | 0 |
| 320 | 2 | 326 | 350 | 71 | 1.01 | 0 | - | - | - | - | - | - | 2 | 326 | 350 | 71 | 1.01 | 0 |
| 330 | 1 | 338 | 350 | - | 0.91 | 0 | - | - | - | - | - | - | 1 | 338 | 350 | - | 0.91 | 0 |
| 340 | - | - | - | - | - | - | 1 | 346 | 450 | - | 1.09 | 0 | 1 | 346 | 450 | - | 1.09 | 0 |
| 360 | 1 | 365 | 650 | - | 1.34 | 0 | 1 | 361 | 700 | - | 1.49 | 0 | 2 | 363 | 675 | 35 | 1.41 | 0 |
| 370 | 2 | 373 | 700 | 71 | 1.35 | 0 | - | - | - | - | - | - | 2 | 373 | 700 | 71 | 1.35 | 0 |
| 380 | 1 | 381 | 750 | - | 1.36 | 0 | - | - | - | - | - | - | 1 | 381 | 750 | - | 1.36 | 0 |
| 390 | 2 | 395 | 850 | 71 | 1.39 | 0 | 5 | 393 | 810 | 55 | 1.33 | 0 | 7 | 393 | 821 | 57 | 1.35 | 0 |
| 400 | 3 | 406 | 1250 | 433 | 1.87 | 33 | 1 | 409 | 950 | - | 1.39 | 0 | 4 | 407 | 1175 | 384 | 1.75 | 25 |
| 410 | 4 | 414 | 925 | 29 | 1.30 | 0 | 9 | 413 | 989 | 65 | 1.40 | 22 | 13 | 414 | 969 | 63 | 1.37 | 15 |
| 420 | 4 | 423 | 1075 | 65 | 1.42 | 25 | 7 | 423 | 1050 | 58 | 1.39 | 29 | 11 | 423 | 1059 | 58 | 1.40 | 27 |
| 430 | 7 | 433 | 1157 | 45 | 1.43 | 14 | 8 | 436 | 1119 | 53 | 1.35 | 25 | 15 | 434 | 1137 | 52 | 1.39 | 20 |
| 440 | 12 | 445 | 1342 | 198 | 1.52 | 50 | 12 | 445 | 1271 | 81 | 1.44 | 83 | 24 | 445 | 1306 | 152 | 1.48 | 67 |
| 450 | 15 | 454 | 1330 | 100 | 1.42 | 53 | 9 | 453 | 1350 | 71 | 1.45 | 89 | 24 | 454 | 1338 | 89 | 1.43 | 67 |
| 460 | 14 | 465 | 1407 | 90 | 1.40 | 43 | 13 | 466 | 1450 | 84 | 1.44 | 85 | 27 | 465 | 1428 | 88 | 1.42 | 63 |
| 470 | 20 | 474 | 1503 | 115 | 1.41 | 95 | 11 | 475 | 1495 | 165 | 1.39 | 82 | 31 | 475 | 1500 | 132 | 1.40 | 90 |
| 480 | 18 | 485 | 1597 | 96 | 1.40 | 89 | 16 | 485 | 1656 | 150 | 1.45 | 100 | 34 | 485 | 1625 | 126 | 1.42 | 94 |
| 490 | 13 | 493 | 1708 | 104 | 1.42 | 85 | 12 | 494 | 1742 | 133 | 1.45 | 100 | 25 | 493 | 1724 | 117 | 1.44 | 92 |
| 500 | 8 | 505 | 1844 | 105 | 1.43 | 100 | 22 | 504 | 1820 | 227 | 1.42 | 100 | 31 | 504 | 1829 | 197 | 1.43 | 100 |
| 510 | 15 | 515 | 1913 | 130 | 1.40 | 93 | 9 | 515 | 1950 | 150 | 1.43 | 89 | 24 | 515 | 1927 | 136 | 1.41 | 92 |
| 520 | 7 | 522 | 2036 | 56 | 1.43 | 100 | 3 | 525 | 1983 | 76 | 1.37 | 100 | 10 | 523 | 2020 | 63 | 1.42 | 100 |
| 530 | - | - | - | - | - | - | 9 | 534 | 2072 | 195 | 1.36 | 100 | 9 | 534 | 2072 | 195 | 1.36 | 100 |
| 540 | 8 | 545 | 2156 | 150 | 1.34 | 100 | 6 | 545 | 2333 | 175 | 1.45 | 100 | 14 | 545 | 2232 | 179 | 1.38 | 100 |
| 550 | 4 | 554 | 2425 | 194 | 1.43 | 100 | - | - | - | - | - | - | 4 | 554 | 2425 | 194 | 1.43 | 100 |
| 560 | - | - | - | - | - | - | 3 | 566 | 2550 | 100 | 1.41 | 100 | 3 | 566 | 2550 | 100 | 1.41 | 100 |
| 570 | 1 | 576 | 2550 | - | 1.33 | 100 | - | - | - | - | - | - | 1 | 576 | 2550 | - | 1.33 | 100 |
| 580 | 2 | 583 | 2375 | 35 | 1.20 | 100 | 2 | 584 | 2875 | 177 | 1.45 | 100 | 4 | 583 | 2625 | 307 | 1.32 | 100 |
| 590 | - | - | - | - | - | - | 2 | 595 | 2975 | 318 | 1.41 | 100 | 2 | 595 | 2975 | 318 | 1.41 | 100 |
| TOTAL | 187 | | | | | | 162 | | | | | | 331 | | | | | |
| MEAN | | 471 | 1524 | 458 | 1.40 | | | 477 | 1587 | 489 | 1.41 | | | 473 | 1552 | 479 | 1.40 | |

Table 103. Biological data by age group for lake whitefish caught by tagging nets from Snowbird Lake, 1982.

| AGE (YR) | MALES | | | | | | | FEMALES | | | | | | | COMBINED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % | | LENGTH(MM) | | WEIGHT(G) | | | % |
| | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT | N | MEAN | SD | MEAN | SD | K | MAT |
| 3 | 1 | 207 | - | 100 | - | 1.13 | 0 | - | - | - | - | - | - | - | 1 | 207 | - | 100 | - | 1.13 | 0 |
| 4 | 1 | 241 | - | 150 | - | 1.07 | 0 | 1 | 220 | - | 50 | - | 0.47 | 0 | 3 | 229 | 10.7 | 100 | 50 | 0.80 | 0 |
| 5 | 2 | 316 | 69.3 | 400 | 354 | 1.06 | 0 | - | - | - | - | - | - | - | 2 | 316 | 69.3 | 400 | 354 | 1.06 | 0 |
| 6 | 5 | 398 | 21.7 | 890 | 178 | 1.40 | 0 | 10 | 418 | 34.2 | 1020 | 263 | 1.37 | 30 | 15 | 411 | 31.4 | 977 | 240 | 1.38 | 20 |
| 7 | 8 | 407 | 48.2 | 963 | 411 | 1.33 | 0 | 6 | 427 | 13.0 | 1083 | 137 | 1.39 | 0 | 14 | 416 | 37.7 | 1014 | 320 | 1.35 | 0 |
| 8 | 14 | 453 | 23.4 | 1257 | 192 | 1.34 | 29 | 25 | 442 | 36.9 | 1220 | 317 | 1.38 | 56 | 39 | 446 | 32.9 | 1233 | 277 | 1.37 | 46 |
| 9 | 30 | 450 | 40.0 | 1317 | 356 | 1.40 | 60 | 24 | 458 | 22.8 | 1394 | 242 | 1.44 | 83 | 54 | 453 | 33.5 | 1351 | 310 | 1.42 | 70 |
| 10 | 27 | 479 | 30.4 | 1626 | 282 | 1.49 | 70 | 24 | 482 | 33.1 | 1577 | 343 | 1.40 | 88 | 51 | 480 | 31.4 | 1603 | 310 | 1.45 | 78 |
| 11 | 34 | 488 | 28.1 | 1656 | 272 | 1.42 | 88 | 22 | 499 | 23.6 | 1770 | 268 | 1.42 | 95 | 56 | 492 | 26.8 | 1701 | 274 | 1.42 | 91 |
| 12 | 19 | 498 | 27.1 | 1761 | 265 | 1.42 | 89 | 20 | 506 | 22.0 | 1865 | 282 | 1.43 | 100 | 40 | 502 | 24.3 | 1816 | 272 | 1.43 | 95 |
| 13 | 7 | 511 | 32.7 | 1950 | 426 | 1.45 | 100 | 10 | 513 | 34.8 | 2035 | 416 | 1.49 | 90 | 17 | 512 | 32.9 | 2000 | 409 | 1.47 | 94 |
| 14 | 5 | 542 | 24.9 | 2180 | 228 | 1.37 | 100 | 3 | 552 | 26.2 | 2200 | 527 | 1.29 | 100 | 8 | 546 | 24.0 | 2188 | 330 | 1.34 | 100 |
| 15 | 2 | 583 | 4.2 | 2375 | 35 | 1.20 | 100 | 4 | 559 | 22.3 | 2563 | 347 | 1.46 | 100 | 6 | 567 | 21.3 | 2500 | 286 | 1.37 | 100 |
| 16 | 1 | 546 | - | 1950 | - | 1.20 | 100 | 1 | 514 | - | 1700 | - | 1.25 | 100 | 2 | 530 | 22.6 | 1825 | 177 | 1.22 | 100 |
| TOTAL | 156 | | | | | | | 150 | | | | | | | 308 | | | | | | |
| MEAN | | 469 | 56 | 1508 | 460 | 1.40 | | | 475 | 48.9 | 1558 | 472 | 1.41 | | | 471 | 54.4 | 1529 | 472 | 1.40 | |
| MEAN AGE | 10.0 | | | | | | | | | | | | | | | | | | | | |

Table 104. Biological data by length interval for round whitefish caught by tagging nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES | | | | | | FEMALES | | | | | | COMBINED | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % | | LENGTH(MM) | WEIGHT(G) | | | % |
| | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT | N | MEAN | MEAN | SD | K | MAT |
| 180 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 182 | 50 | - | 0.83 | 0 |
| 190 | - | - | - | - | - | - | 9 | 196 | 81 | 24 | 1.06 | 0 | 24 | 196 | 76 | 21 | 1.01 | 0 |
| 200 | 5 | 204 | 85 | 22 | 1.00 | 0 | 9 | 204 | 89 | 22 | 1.05 | 0 | 28 | 204 | 93 | 21 | 1.10 | 0 |
| 210 | 7 | 212 | 107 | 12 | 1.12 | 0 | 12 | 214 | 98 | 17 | 1.01 | 0 | 29 | 213 | 100 | 19 | 1.03 | 0 |
| 220 | 7 | 223 | 111 | 32 | 0.99 | 0 | 8 | 224 | 122 | 36 | 1.08 | 0 | 21 | 223 | 118 | 33 | 1.05 | 0 |
| 230 | 4 | 234 | 125 | 29 | 0.97 | 0 | 9 | 233 | 125 | 22 | 0.98 | 0 | 16 | 233 | 125 | 22 | 0.98 | 0 |
| 240 | 7 | 243 | 146 | 17 | 1.02 | 0 | 4 | 244 | 144 | 13 | 0.99 | 50 | 12 | 244 | 146 | 14 | 1.01 | 17 |
| 250 | 2 | 257 | 175 | 35 | 1.03 | 50 | 2 | 253 | 175 | 35 | 1.08 | 50 | 4 | 255 | 175 | 29 | 1.06 | 50 |
| 260 | - | - | - | - | - | - | 2 | 266 | 213 | 53 | 1.14 | 100 | 2 | 266 | 213 | 53 | 1.14 | 100 |
| 270 | 4 | 275 | 200 | 0 | 0.96 | 25 | 1 | 276 | 200 | - | 0.95 | 100 | 5 | 275 | 200 | 0 | 0.96 | 40 |
| 280 | 2 | 282 | 225 | 35 | 1.00 | 0 | 2 | 284 | 263 | 53 | 1.14 | 100 | 4 | 283 | 244 | 43 | 1.07 | 50 |
| 290 | 2 | 294 | 225 | 35 | 0.89 | 50 | - | - | - | - | - | - | 2 | 294 | 225 | 35 | 0.89 | 50 |
| 300 | 3 | 303 | 300 | 50 | 1.08 | 100 | 4 | 305 | 288 | 25 | 1.01 | 75 | 7 | 304 | 293 | 35 | 1.04 | 86 |
| 310 | 2 | 314 | 325 | 35 | 1.05 | 100 | 1 | 312 | 300 | - | 0.99 | 100 | 3 | 313 | 317 | 29 | 1.03 | 100 |
| 320 | 1 | 321 | 450 | - | 1.36 | 100 | 4 | 324 | 363 | 63 | 1.07 | 75 | 5 | 323 | 380 | 67 | 1.12 | 80 |
| 330 | - | - | - | - | - | - | 2 | 336 | 425 | 35 | 1.12 | 100 | 2 | 336 | 425 | 35 | 1.12 | 100 |
| 340 | 3 | 345 | 436 | 31 | 1.06 | 67 | 1 | 348 | 350 | - | 0.83 | 100 | 4 | 346 | 415 | 50 | 1.00 | 75 |
| 350 | 1 | 355 | 500 | - | 1.12 | 100 | - | - | - | - | - | - | 1 | 355 | 500 | - | 1.12 | 100 |
| 360 | 1 | 366 | 500 | - | 1.02 | 100 | - | - | - | - | - | - | 1 | 366 | 500 | - | 1.02 | 100 |
| TOTAL | 51 | | | | | | 70 | | | | | | 171 | | | | | |
| MEAN | | 257 | 193 | 120 | 1.03 | | | 239 | 157 | 99 | 1.04 | | | 235 | 149 | 100 | 1.04 | |

Table 105. Biological data by age group for round whitefish caught by tagging nets from Snowbird Lake, 1982.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 14 | 213 | 6.9 | 98 | 25 | 1.02 | 0 | 30 | 209 | 10.4 | 99 | 30 | 1.07 | 0 | 81 | 207 | 10.1 | 95 | 27 | 1.06 | 0 |
| 4 | 14 | 233 | 12.9 | 129 | 26 | 1.02 | 0 | 18 | 234 | 14.3 | 131 | 30 | 1.00 | 17 | 43 | 231 | 14.5 | 125 | 31 | 1.00 | 7 |
| 5 | 9 | 264 | 17.3 | 189 | 33 | 1.03 | 11 | 6 | 267 | 17.0 | 208 | 65 | 1.07 | 83 | 15 | 265 | 16.6 | 197 | 47 | 1.04 | 40 |
| 6 | 5 | 296 | 13.0 | 250 | 61 | 0.95 | 80 | 4 | 305 | 2.6 | 288 | 25 | 1.01 | 75 | 9 | 300 | 10.5 | 267 | 50 | 0.98 | 78 |
| 7 | 3 | 307 | 5.6 | 317 | 29 | 1.10 | 100 | 5 | 326 | 4.6 | 380 | 67 | 1.10 | 80 | 8 | 319 | 10.8 | 356 | 62 | 1.10 | 88 |
| 8 | 2 | 334 | 17.7 | 454 | 6 | 1.23 | 100 | 2 | 326 | 19.1 | 350 | 71 | 1.01 | 100 | 4 | 330 | 15.7 | 402 | 73 | 1.12 | 100 |
| 9 | 2 | 350 | 7.8 | 475 | 35 | 1.11 | 50 | 1 | 348 | - | 350 | - | 0.83 | 100 | 3 | 349 | 5.6 | 433 | 76 | 1.02 | 67 |
| 10 | 1 | 346 | - | 400 | - | 0.97 | 100 | - | - | - | - | - | - | - | 1 | 346 | - | 400 | - | 0.97 | 100 |
| 12 | 1 | 366 | - | 500 | - | 1.02 | 100 | - | - | - | - | - | - | - | 1 | 366 | - | 500 | - | 1.02 | 100 |
| TOTAL | 51 | | | | | | | 66 | | | | | | | 165 | | | | | | |
| MEAN | | 257 | 46 | 193 | 120 | 1.03 | | | 242 | 43.3 | 162 | 99 | 1.05 | | | 236 | 42.7 | 152 | 100 | 1.04 | |
| MEAN AGE | 4.1 | | | | | | | | | | | | | | | | | | | | |

Table 106. Biological data by length interval for cisco (spp) caught by tagging nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 130 | - | - | - | - | - | - | 1 | 138 | 25 | - | 0.95 | 100 | 1 | 138 | 25 | - | 0.95 | 100 |
| 140 | - | - | - | - | - | - | 1 | 141 | 25 | - | 0.89 | 100 | 1 | 141 | 25 | - | 0.89 | 100 |
| 160 | - | - | - | - | - | - | 2 | 164 | 50 | 0 | 1.14 | 100 | 2 | 164 | 50 | 0 | 1.14 | 100 |
| TOTAL | 0 | | | | | | 4 | | | | | | 4 | | | | | |
| MEAN | | - | - | - | - | | | 152 | 38 | 14 | 1.03 | | | 152 | 38 | 14 | 1.03 | |

Table 107. Biological data by age group for cisco (spp) caught by tagging nets from Snowbird Lake, 1982.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | - | - | - | - | - | - | - | 1 | 141 | - | 25 | - | 0.89 | 100 | 1 | 141 | - | 25 | - | 0.89 | 100 |
| 3 | - | - | - | - | - | - | - | 1 | 168 | - | 50 | - | 1.05 | 100 | 1 | 168 | - | 50 | - | 1.05 | 100 |
| TOTAL | 0 | | | | | | | 2 | | | | | | | 2 | | | | | | |
| MEAN | | - | - | - | - | - | | | 155 | 19.1 | 38 | 18 | 0.97 | | | 155 | 19.1 | 38 | 18 | 0.97 | |
| MEAN AGE | 2.5 | | | | | | | | | | | | | | | | | | | | |

Table 108. Biological data by length interval for Arctic grayling caught by tagging nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 390 | - | - | - | - | - | - | 1 | 397 | 750 | - | 1.20 | 100 | 1 | 397 | 750 | - | 1.20 | 100 |
| TOTAL | 0 | | | | | | 1 | | | | | | 1 | | | | | |
| MEAN | | - | - | - | - | | | 397 | 750 | - | 1.20 | | | 397 | 750 | - | 1.20 | |

Table 109. Biological data by age group for Arctic grayling caught by tagging nets from Snowbird Lake, 1982.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | - | - | - | - | - | - | - | 1 | 397 | - | 750 | - | 1.20 | 100 | 1 | 397 | - | 750 | - | 1.20 | 100 |
| TOTAL | 0 | | | | | | | 1 | | | | | | | 1 | | | | | | |
| MEAN | | - | - | - | - | - | | | 397 | - | 750 | - | 1.20 | | | 397 | - | 750 | - | 1.20 | |
| MEAN AGE | 8.0 | | | | | | | | | | | | | | | | | | | | |

Table 110. Biological data by length interval for northern pike caught by tagging nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 880 | - | - | - | - | - | - | 1 | 881 | 4500 | - | 0.66 | 100 | 1 | 881 | 4500 | - | 0.66 | 100 |
| 980 | - | - | - | - | - | - | 1 | 998 | 6950 | - | 0.70 | 100 | 1 | 998 | 6950 | - | 0.70 | 100 |
| TOTAL | 0 | | | | | | 2 | | | | | | 2 | | | | | |
| MEAN | | - | - | - | - | | | 940 | 5725 | 1732 | 0.68 | | | 940 | 5725 | 1732 | 0.68 | |

Table 111. Biological data by age group for northern pike caught by tagging nets from Snowbird Lake, 1982.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | - | - | - | - | - | - | - | 1 | 881 | - | 4500 | - | 0.66 | 100 | 1 | 881 | - | 4500 | - | 0.66 | 100 |
| 14 | - | - | - | - | - | - | - | 1 | 998 | - | 6950 | - | 0.70 | 100 | 1 | 998 | - | 6950 | - | 0.70 | 100 |
| TOTAL | 0 | | | | | | | 2 | | | | | | | 2 | | | | | | |
| MEAN | | - | - | - | - | - | | | 940 | 82.7 | 5725 | 1732 | 0.68 | | | 940 | 82.7 | 5725 | 1732 | 0.68 | |
| MEAN AGE | 11.5 | | | | | | | | | | | | | | | | | | | | |

Table 112. Biological data by length interval for burbot caught by tagging nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES N | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 190 | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | |
| 200 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 195 | 50 | - | 0.67 | 0 |
| 220 | - | - | - | - | - | - | 1 | 223 | 75 | - | 0.68 | 0 | 1 | 206 | 75 | - | 0.86 | 0 |
| 240 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 223 | 75 | - | 0.68 | 0 |
| TOTAL | 0 | | | | | | 1 | | | | | | 4 | 240 | 100 | - | 0.72 | 0 |
| MEAN | | - | - | - | - | | | 223 | 75 | - | 0.68 | | | 216 | 75 | 20 | 0.73 | |

Table 113. Biological data by age group for burbot caught by tagging nets from Snowbird Lake, 1982.

| AGE (YR) | MALES N | MALES LENGTH(MM) MEAN | MALES LENGTH(MM) SD | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | MALES % MAT | FEMALES N | FEMALES LENGTH(MM) MEAN | FEMALES LENGTH(MM) SD | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | FEMALES % MAT | COMBINED N | COMBINED LENGTH(MM) MEAN | COMBINED LENGTH(MM) SD | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | COMBINED % MAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 201 | 7.8 | 63 | 18 | 0.77 | 0 |
| 6 | - | - | - | - | - | - | - | 1 | 223 | - | 75 | - | 0.68 | 0 | 1 | 223 | - | 75 | - | 0.68 | 0 |
| 7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 240 | - | 100 | - | 0.72 | 0 |
| TOTAL | 0 | | | | | | | 1 | | | | | | | 4 | | | | | | |
| MEAN | | - | - | - | - | - | | | 223 | - | 75 | - | 0.68 | | | 216 | 19.7 | 75 | 20 | 0.73 | |
| MEAN AGE | 5.8 | | | | | | | | | | | | | | | | | | | | |

Table 114. Biological data by length interval for longnose sucker caught by tagging nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES N | MALES % | MALES LENGTH(MM) MEAN | MALES WEIGHT(G) MEAN | MALES WEIGHT(G) SD | MALES K | FEMALES N | FEMALES % | FEMALES LENGTH(MM) MEAN | FEMALES WEIGHT(G) MEAN | FEMALES WEIGHT(G) SD | FEMALES K | COMBINED N | COMBINED % | COMBINED LENGTH(MM) MEAN | COMBINED WEIGHT(G) MEAN | COMBINED WEIGHT(G) SD | COMBINED K | % FEMALE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 160 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 10 | 167 | 75 | 35 | 1.63 | - |
| 170 | 1 | 8 | 175 | 75 | - | 1.40 | - | - | - | - | - | - | 1 | 5 | 175 | 75 | - | 1.40 | - |
| 180 | 1 | 8 | 186 | 75 | - | 1.17 | - | - | - | - | - | - | 2 | 10 | 187 | 63 | 18 | 0.96 | - |
| 210 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 218 | 125 | - | 1.21 | - |
| 240 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 243 | 200 | - | 1.39 | - |
| 250 | 1 | 8 | 250 | 200 | - | 1.28 | - | - | - | - | - | - | 2 | 10 | 254 | 225 | 35 | 1.37 | - |
| 260 | 2 | 15 | 265 | 225 | 35 | 1.22 | - | - | - | - | - | - | 3 | 15 | 263 | 225 | 25 | 1.24 | - |
| 270 | 1 | 8 | 277 | 275 | - | 1.29 | - | - | - | - | - | - | 1 | 5 | 277 | 275 | - | 1.29 | - |
| 280 | 4 | 31 | 287 | 363 | 63 | 1.54 | - | - | - | - | - | - | 4 | 20 | 287 | 363 | 63 | 1.54 | - |
| 300 | 1 | 8 | 305 | 350 | - | 1.23 | - | - | - | - | - | - | 1 | 5 | 305 | 350 | - | 1.23 | - |
| 310 | 1 | 8 | 313 | 450 | - | 1.47 | - | - | - | - | - | - | 1 | 5 | 313 | 450 | - | 1.47 | - |
| 340 | 1 | 8 | 344 | 550 | - | 1.35 | - | - | - | - | - | - | 1 | 5 | 344 | 550 | - | 1.35 | - |
| TOTAL | 13 | | | | | | 0 | | | | | | 20 | | | | | | |
| MEAN | | | 271 | 298 | 141 | 1.37 | | | - | - | - | - | | | 251 | 244 | 143 | 1.36 | 0 |

Table 115. Biological data by length interval for white sucker caught by tagging nets from Snowbird Lake, 1982.

| LENGTH INTERVAL (MM) | MALES N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | FEMALES N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | COMBINED N | % | LENGTH(MM) MEAN | WEIGHT(G) MEAN | SD | K | % FEMALE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 140 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 149 | 50 | - | 1.51 | - |
| 150 | - | - | - | - | - | - | 1 | 20 | 155 | 50 | - | 1.34 | 6 | 21 | 154 | 50 | 0 | 1.36 | - |
| 160 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 167 | 50 | 0 | 1.08 | - |
| 170 | 1 | 8 | 178 | 75 | - | 1.33 | 1 | 20 | 171 | 50 | - | 1.00 | 3 | 10 | 174 | 58 | 14 | 1.10 | 50 |
| 180 | 1 | 8 | 187 | 75 | - | 1.15 | - | - | - | - | - | - | 3 | 10 | 187 | 75 | 0 | 1.15 | - |
| 190 | 1 | 8 | 196 | 100 | - | 1.33 | - | - | - | - | - | - | 2 | 7 | 197 | 100 | 0 | 1.31 | - |
| 200 | 1 | 8 | 200 | 125 | - | 1.56 | - | - | - | - | - | - | 1 | 3 | 200 | 125 | - | 1.56 | - |
| 220 | 1 | 8 | 224 | 150 | - | 1.33 | - | - | - | - | - | - | 1 | 3 | 224 | 150 | - | 1.33 | - |
| 230 | 1 | 8 | 234 | 150 | - | 1.17 | 1 | 20 | 230 | 150 | - | 1.23 | 2 | 7 | 232 | 150 | 0 | 1.20 | 50 |
| 250 | 1 | 8 | 254 | 200 | - | 1.22 | 1 | 20 | 255 | 250 | - | 1.51 | 2 | 7 | 255 | 225 | 35 | 1.36 | 50 |
| 260 | 1 | 8 | 261 | 200 | - | 1.12 | - | - | - | - | - | - | 1 | 3 | 261 | 200 | - | 1.12 | - |
| 280 | 1 | 8 | 285 | 350 | - | 1.51 | 1 | 20 | 285 | 350 | - | 1.51 | 2 | 7 | 285 | 350 | 0 | 1.51 | 50 |
| 290 | 1 | 8 | 290 | 350 | - | 1.44 | - | - | - | - | - | - | 1 | 3 | 290 | 350 | - | 1.44 | - |
| 300 | 1 | 8 | 305 | 400 | - | 1.41 | - | - | - | - | - | - | 1 | 3 | 305 | 400 | - | 1.41 | - |
| 350 | 1 | 8 | 350 | 550 | - | 1.28 | - | - | - | - | - | - | 1 | 3 | 350 | 550 | - | 1.28 | - |
| TOTAL | 12 | | | | | | 5 | | | | | | 29 | | | | | | |
| MEAN | | | 247 | 227 | 151 | 1.32 | | | 219 | 170 | 130 | 1.32 | | | 209 | 147 | 133 | 1.29 | 29 |

Table 116. Weight-length relationships, $\log_{10} W = a + b (\log_{10} L)$, for each fish species (sexes combined) from North Henik, South Henik, Nueltin and Snowbird lakes, Northwest Territories.

| Species | N | Y-intercept (a) | Slope (b) | Standard Dev. of b ($SD_b$) | 95% C.I. |
|---|---|---|---|---|---|
| North Henik Lake (1980) | | | | | |
| Lake trout | | | | | |
| angled | 79 | -4.9946 | 3.003 | 0.097 | 2.809-3.197 |
| gillnetted | 333 | -5.6178 | 3.227 | 0.038 | 3.151-3.234 |
| combined | 412 | -5.5910 | 3.217 | 0.033 | 3.184-3.250 |
| Lake whitefish | 43 | -5.4159 | 3.219 | 0.091 | 3.037-3.401 |
| Cisco | 66 | -2.5612 | 1.900 | 0.677 | 0.546-3254 |
| Longnose sucker | 25 | -5.5189 | 3.213 | 0.136 | 2.941-3.485 |
| Round whitefish | 8 | -8.4831 | 4.422 | 0.610 | 3.202-5.642 |
| South Henik Lake (1980) | | | | | |
| Lake trout | | | | | |
| Gillnetted | 335 | -5.1493 | 3.057 | 0.037 | 2.983-3.131 |
| Lake whitefish | 28 | -4.4720 | 2.875 | 0.509 | 1.857-3.893 |
| Cisco | 18 | -9.2275 | 4.724 | 0.456 | 3.812-5.636 |
| Round whitefish | 47 | -6.9609 | 3.815 | 0.212 | 3.401-4.229 |
| Nueltin Lake (1981) | | | | | |
| Lake trout | | | | | |
| angled | 11 | -5.1748 | 3.085 | 0.099 | 2.862-3.309 |
| tagged | 121 | -4.9882 | 3.009 | 0.041 | 2.927-3.091 |
| gillnetted | 650 | -4.7200 | 2.913 | 0.017 | 2.879-2.947 |
| combined | 783 | -4.8268 | 2.952 | 0.015 | 2.922-2.981 |
| Lake whitefish | 482 | -5.3065 | 3.165 | 0.019 | 3.128-3.202 |
| Round whitefish | 47 | -7.0680 | 3.839 | 0.131 | 3.574-4.103 |
| Cisco | 409 | -3.9480 | 2.557 | 0.117 | 2.328-2.786 |
| Northern pike | 9 | -4.6897 | 2.835 | 0.315 | 2.090-3.581 |
| Longnose sucker | 304 | -4.5115 | 2.862 | 0.022 | 2.818-2.906 |
| White sucker | 12 | -4.6832 | 2.935 | 0.093 | 2.727-3.143 |
| Burbot | 3 | -7.633 | 3.941 | 0.520 | -2.664-10.547 |
| Snowbird Lake (1982) | | | | | |
| Lake trout | | | | | |
| tagged | 135 | -5.1832 | 3.082 | 0.027 | 3.029-3.134 |
| gillnetted | 251 | -4.9486 | 2.991 | 0.276 | 2.937-3.045 |
| combined | 386 | -5.0753 | 3.038 | 0.016 | 3.006-3.070 |
| Lake whitefish | 665 | -5.7585 | 3.339 | 0.029 | 3.285-3.394 |
| Round whitefish | 198 | -5.1568 | 3.068 | 0.083 | 2.906-3.230 |
| Cisco | 4 | -7.3198 | 4.069 | 0.671 | 2.753-5.385 |
| Northern pike | 6 | -5.5628 | 3.131 | 0.636 | 1.365-4.897 |
| Longnose sucker | 24 | -5.5738 | 3.288 | 0.182 | 2.910-3.666 |
| White sucker | 37 | -5.0840 | 3.076 | 0.110 | 2.853-3.300 |
| Burbot | 5 | -4.6625 | 2.797 | 0.141 | 2.350-3.244 |
| Arctic Grayling | 18 | -4.8430 | 2.965 | 0.111 | 2.729-3.202 |

Table 117. Fecundity of lake trout from North Henik, South Henik, Nueltin and Snowbird lakes, Northwest Territories.

| Lake | Ova per Female | | Mean Length of fish (mm) | Mean Body Weight of Fish (gm) | Mean Ova Diameter (mm) |
|---|---|---|---|---|---|
| | Mean | Range | | | |
| North Henik (1980) | 2 539 | 1 255-5 661 | 627 | 3 013 | 5.4 |
| South Henik (1980) | 2 969 | 1 227-5 590 | 627 | 2 968 | 5.1 |
| Nueltin (1981) | 2 950 | 1 133-4 153 | 616 | 3 033 | 5.2 |
| Snowbird (1982) | 2 858 | 1 944-4 271 | 598 | 2 437 | 4.1 |

Fig. 1. Map of the District of Keewatin, N.W.T. showing the locations of sport fishing lodges and outpost camps.

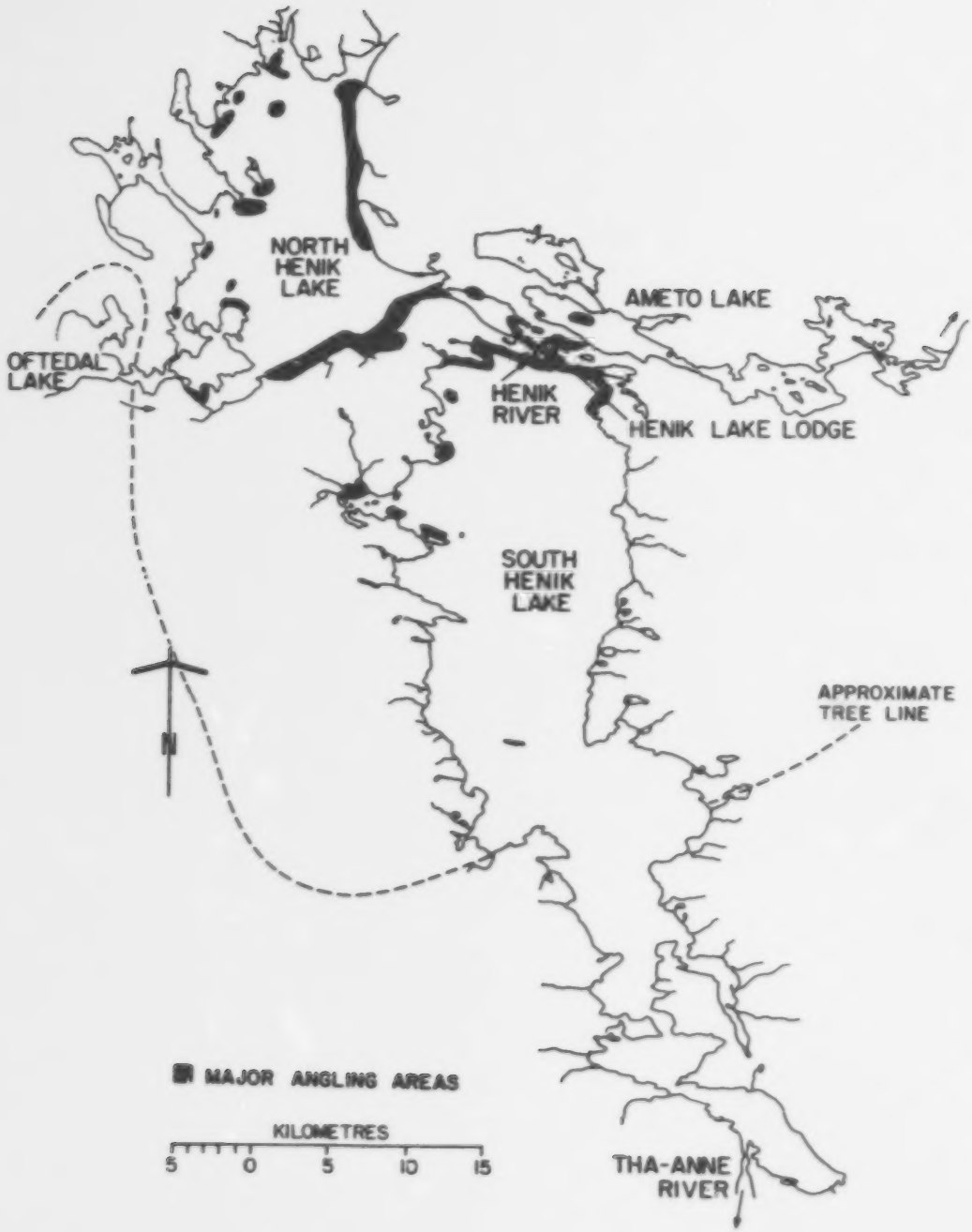



Fig. 2. Map of North Henik and South Henik lakes showing the locations of Henik Lake Lodge and the areas fished for lake trout in 1980.

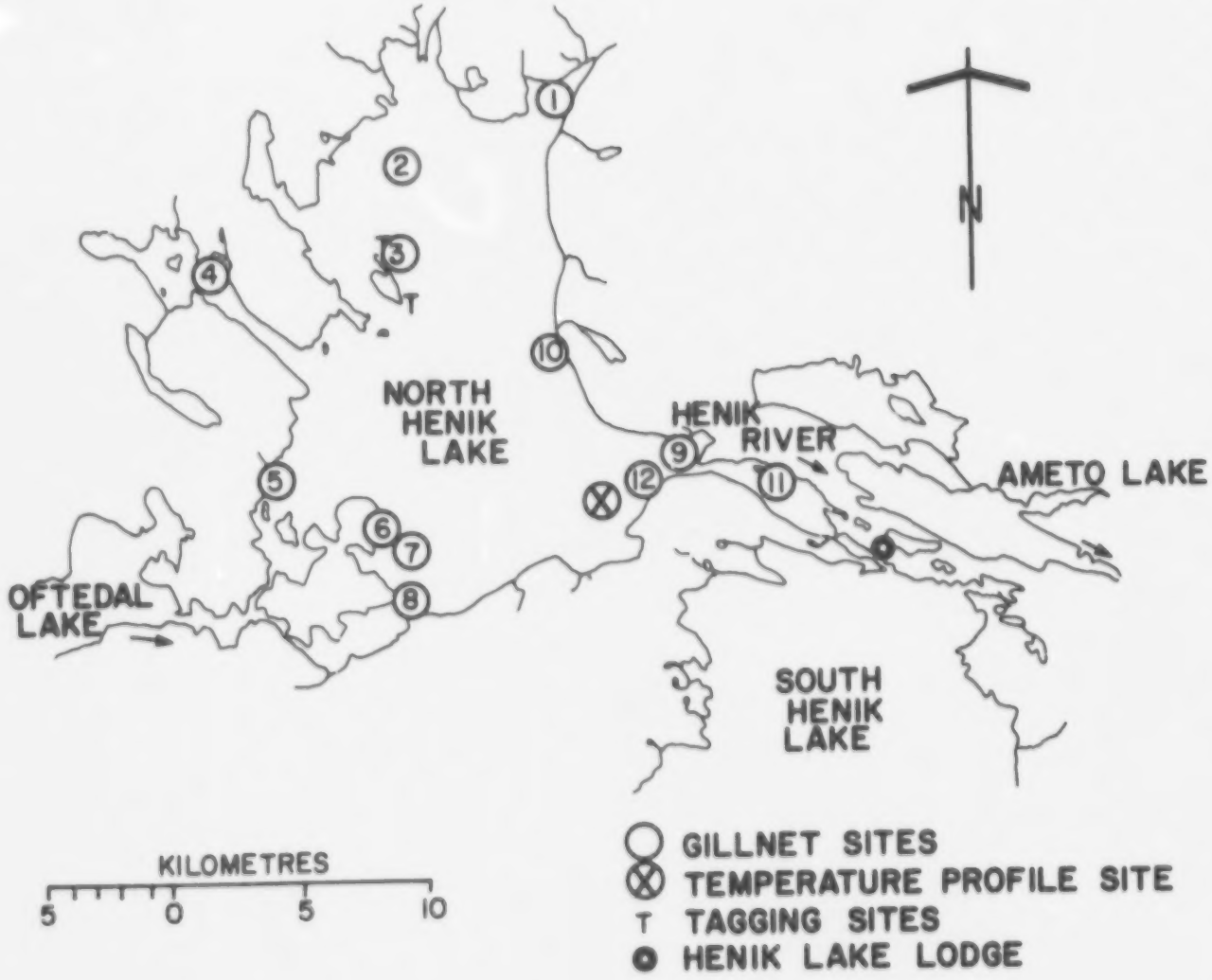



Fig. 3. Map of North Henik Lake showing the experimental net locations and tagging sites, 1980.

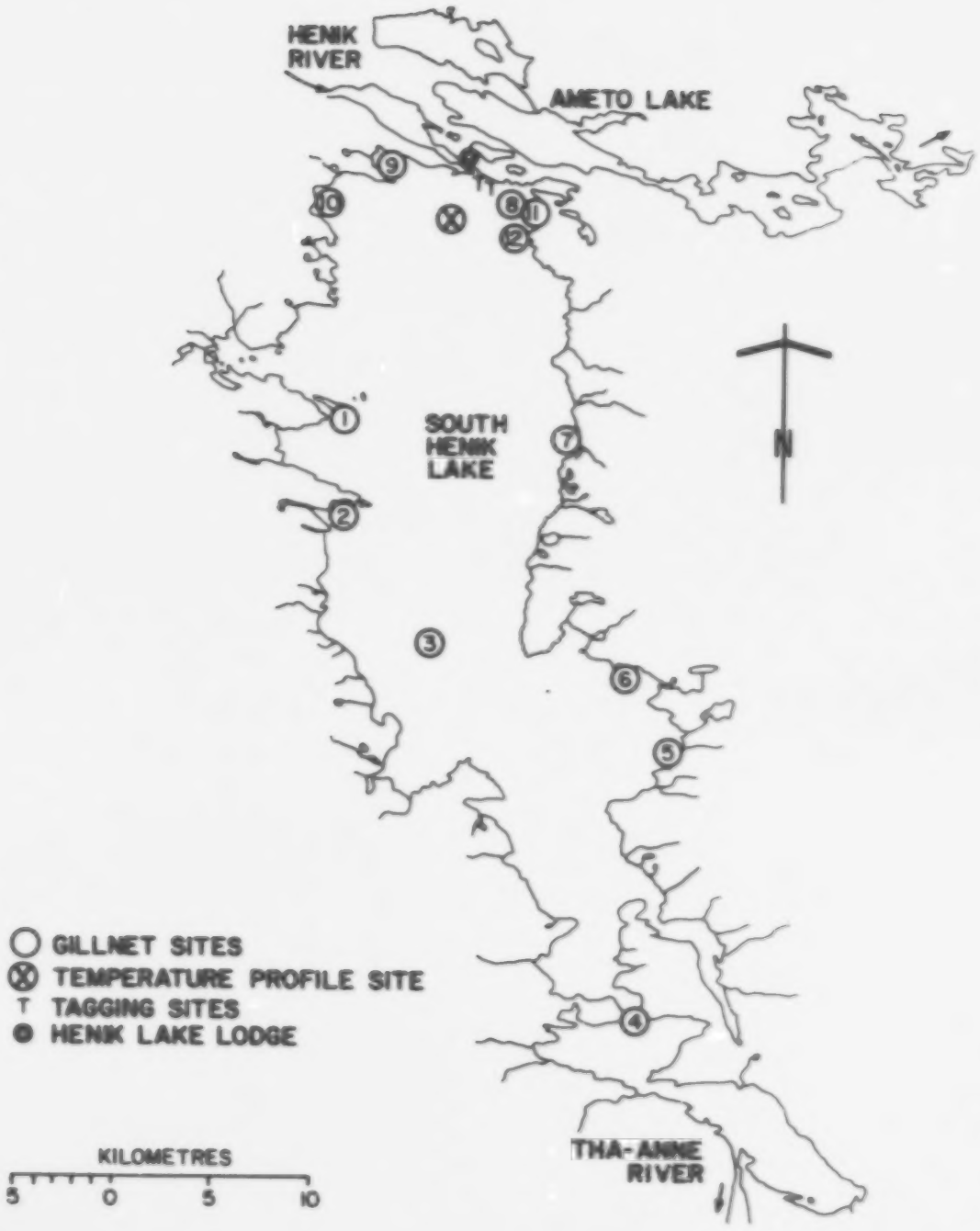



Fig. 4. Map of South Henik Lake showing the experimental net locations and tagging sites, 1980.

Fig. 5. Map of Nueltin Lake showing the locations of Treeline (Main) Lodge, Narrows Camp and the east outpost camp and the areas fished for lake trout in 1981.

Fig. 6. Map of Nueltin Lake showing the experimental net locations and tagging sites for 1981.

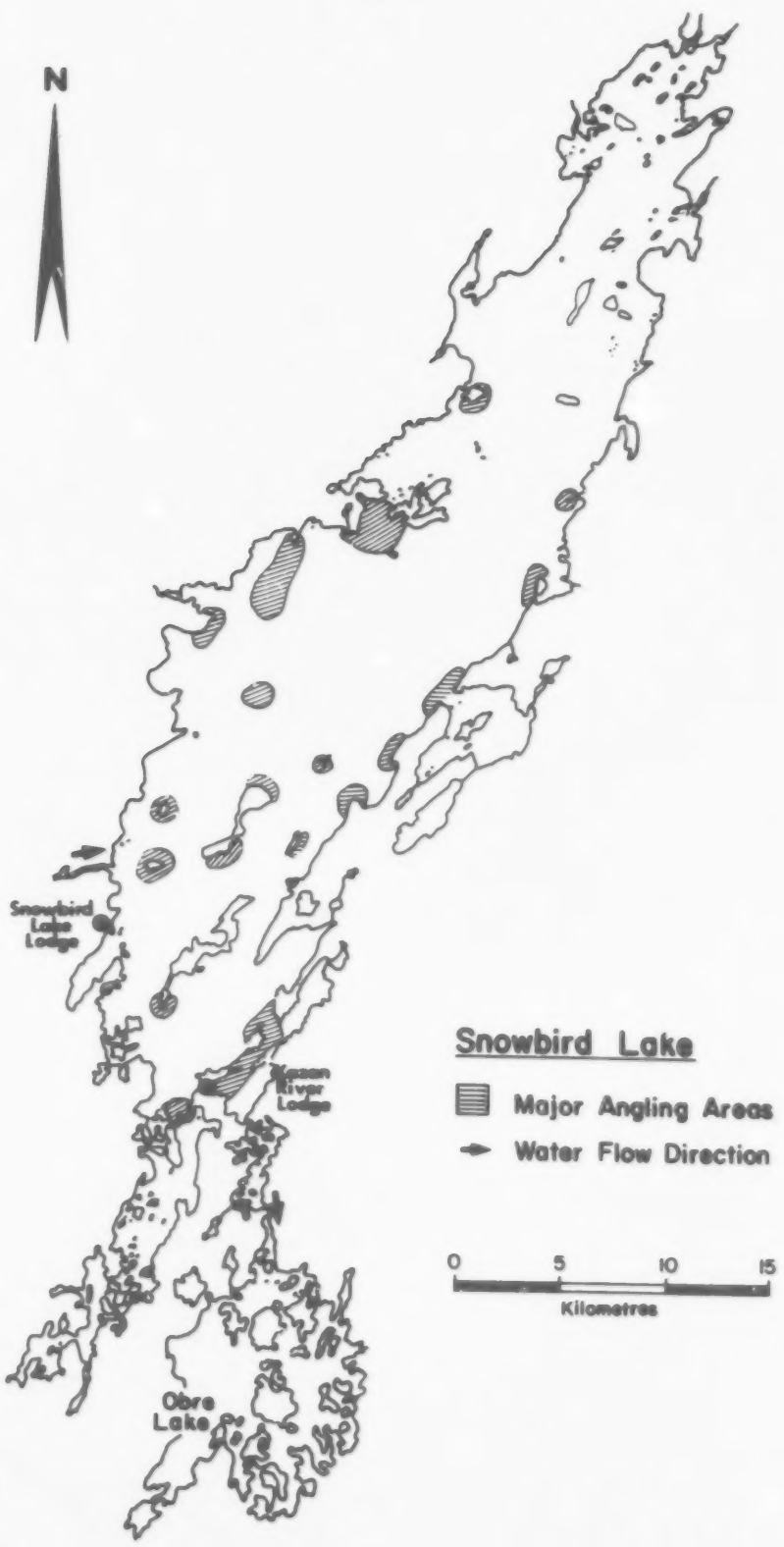



Fig. 7. Map of Snowbird Lake showing the locations of Snowbird Lake Lodge and the areas fished for lake trout in 1982.

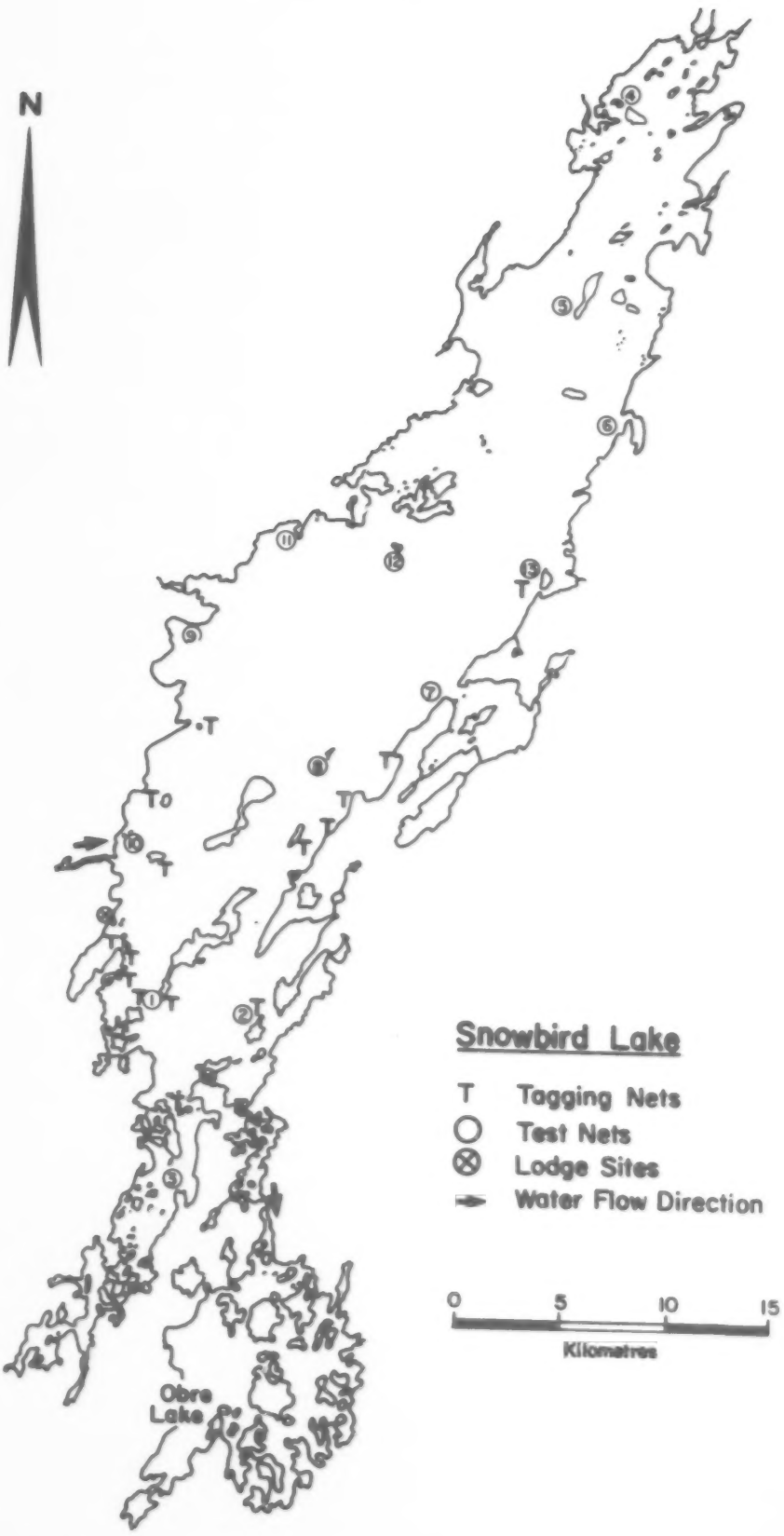



Fig. 8. Map of Snowbird Lake showing the experimental net locations and tagging sites for 1982.

Appendix 1. Summary of information pertaining to lodge operation and creel census survey at Henik Lake Lodge, 1978.

| Location | Lodge Operation | | | | | Creel Census | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Period | Duration (days) | No. of Guests | | Angler-days[2] | Period | Duration (days) | | No. Anglers | Angler-days | Angler-hours |
| | | | Calculated | License Sale[1] | | | Total | Censused | | | |
| South Henik Lake | 15 July<br>27 August | 43 | 53 | NA | 291 | 18 July<br>27 August | 40 | 40 | 53 | 271 | 1 839 |

[1] Provided by Dept. Renewable Resource, Government of Northwest Territories.
[2] Estimate.
NA = not available.

Appendix 2. Observed catch, effort and catch/effort statistics of anglers during the creel census survey at Henik Lake Lodge, 1978.

| Location | Species | Catch | | Angler effort | | Fish per angler | | Fish per angler-day | | Fish per angler-hour | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. | Wt(Kg) | days | hours | No. | Wt(kg) | No. | Wt(kg) | No. | Wt(Kg) |
| Henik lakes | lake trout | 2 665 | - | 271 | 1 839 | 50.3 | - | 9.8 | - | 1.5 | - |

Appendix 3. Summary of harvest statistics for Henik lakes, 1978.

| Location | Species | Census Harvest[1] | | Total Harvest[2] | | Harvest per Hectare fished | | Hectare available | | Angler | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No. | Wt(kg) | No. | Wt(kg) | No. | Wt(kg) | No. | Wt(kg) | No. | Wt(kg) |
| Henik Lakes | lake trout | 222 | - | 581 | - | NA | - | 0.01 | - | 10.96 | - |

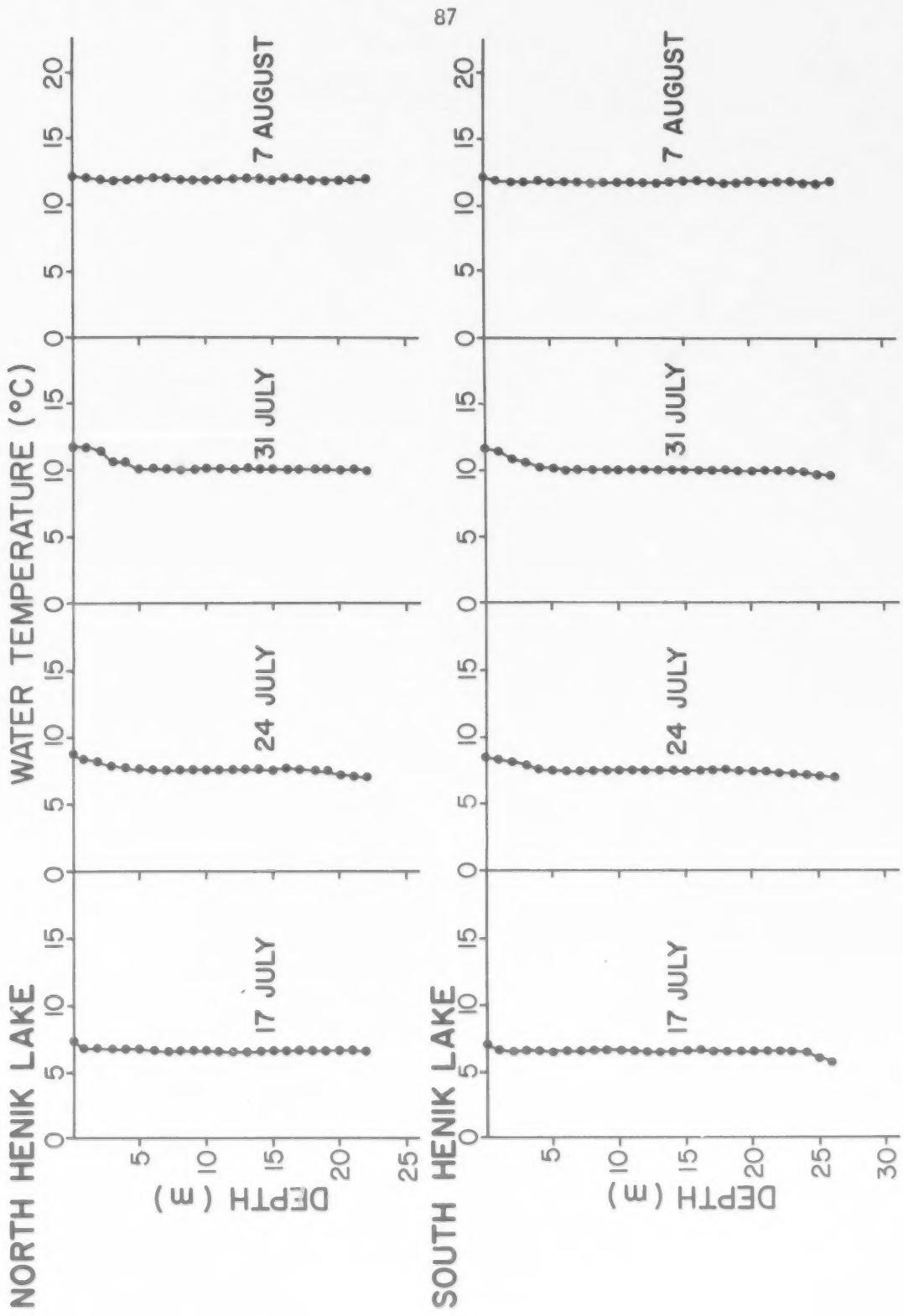
[1] Includes fish retained only.
[2] Includes fish retained, shore lunches and estimated release mortality (7%).
NA = Not available.

Appendix 4. Summary of information on location, sample dates, sample locations, set duration, depths and catch per unit of effort for experimental gillnets and tagging nets on North Henik and South Henik lakes, 1980.

| Location[a] | Date | | Set Number | Location Number | Set Duration (h) | Water Depth (m) | Total Catch | CPE[b] |
|---|---|---|---|---|---|---|---|---|
| SH | July | 11 | 1 | 1 | 23.5 | 4 | 53 | 23.8 |
| SH | | 12 | 2 | 2 | 19.5 | 4 | 32 | 17.3 |
| SH | | 13 | 3 | 3 | 21.5 | 7 | 20 | 9.8 |
| SH T | | 13 | 1 | 1 | 21.5 | 4 | 9 | - |
| SH | | 14 | 4 | 4 | 22.0 | 4 | 9 | 4.3 |
| SH | | 15 | 5 | 5 | - | - | 10 | - |
| SH | | 16 | 6 | 6 | - | 3 | 36 | - |
| SH | | 17 | 7 | 7 | 25.0 | 6 | 30 | 12.7 |
| SH T | | 17 | 2 | 1 | 16.5 | 5 | 18 | - |
| SH | | 18 | 8 | 8 | 25.0 | - | 28 | 11.8 |
| SH | | 19 | 9 | 9 | - | 17 | 67 | - |
| NH | | 20 | 1 | 1 | - | 7 | 38 | - |
| NH | | 21 | 2 | 2 | 22.5 | 6 | 38 | 17.8 |
| NH | | 23 | 3 | 3 | 49.0 | 4 | 62 | 13.4 |
| NH | | 24 | 4 | 4 | 23.0 | 6 | 49 | 22.5 |
| NY T | | 24 | 1 | 1 | - | - | 36 | - |
| NH | | 25 | 5 | 5 | 23.5 | 7 | 26 | 11.7 |
| SH T | | 25 | 3 | 1 | - | - | 33 | - |
| NH | | 26 | 6 | 6 | 23.0 | 7 | 22 | 10.1 |
| SH T | | 26 | 4 | 1 | - | - | 27 | - |
| NH | | 27 | 7 | 7 | 24.5 | 12 | 64 | 27.6 |
| SH T | | 27 | 5 | 1 | - | - | 12 | - |
| NH | | 28 | 8 | 8 | 24.0 | 4 | 50 | 22. |
| NH | | 29 | 9 | 9 | 27.0 | 8 | 6 | 2.3 |
| NH | | 30 | 10 | 10 | 28.5 | 9 | 60 | 22.2 |
| SH T | | 31 | 6 | 1 | - | 4 | 5 | - |
| NH | August | 1 | 11 | 11 | - | 4 | 18 | - |
| NH | | 2 | 12 | 12 | 25.0 | 5 | 33 | 13.9 |
| SH | | 4 | 10 | 10 | 25.0 | 3 | 18 | 7.6 |
| SH | | 5 | 11 | 11 | 25.0 | 3 | 13 | 5.5 |
| SH T | | 5 | 6 | 1 | 29.0 | 4 | 51 | - |
| SH | | 6 | 12 | 12 | 24.0 | 4 | 46 | 20.2 |
| NH | | 10 | 2 | 1 | - | 3 | 26 | - |
| NH T | | 11 | 3 | 1 | 24.0 | 3 | 26 | - |
| NH T | | 12 | 4 | 1 | 24.0 | 3 | 28 | - |
| NH T | | 13 | 5 | 1 | 24.0 | 3 | 25 | - |
| NH T | | 14 | 6 | 1 | 24.0 | 4 | 18 | - |
| NH T | | 15 | 7 | 1 | 24.0 | 4 | 24 | - |
| NH T | | 16 | 8 | 1 | 24.0 | 3 | 15 | - |
| NH T | | 18 | 9 | 1 | 48.0 | 4 | 8 | - |
| NH T | | 19 | 10 | 1 | 24.0 | 4 | 6 | - |
| SH $T_2$ | | 19 | 7 | 1 | 28.0 | 4 | 45 | - |
| NH T | | 20 | 11 | 1 | 24.5 | 4 | 14 | - |
| SH $T_2$ | | 20 | 8 | 1 | 22.0 | 4 | 33 | - |
| NH T | | 21 | 12 | 1 | 23.5 | 4 | 7 | - |
| SH $T_2$ | | 21 | 9 | 1 | 24.0 | 5 | 31 | - |
| SH $T_2$ | | 22 | 10 | 1 | 24.0 | 5 | 17 | - |
| SH T | | 23 | 13 | 1 | 48.0 | 4 | 48 | - |

[a] SH = South Henik Lake, NH = North Henik Lake.
T = tagging gang of 1 x 38 mm and 1 x 64 mm mesh.
T = tagging gang of 1 x 38 mm, 1 x 64 mm and 1 x 89 mm mesh.

[b] Catch per unit of effort for standard gillnet sets (No. fish per 100 m of gillnet per 24 h).




Appendix 5. Water temperature profiles for North Henik and South Henik lakes, 1980.

Appendix 6. Summary of information on sample dates, sample locations, set duration, depths and catch per unit of effort for experimental gillnets and tagging nets on Nueltin Lake, 1981.

| Date[1] | Set Number | Location Number | Set Duration (h) | Water Depth (m) | Total Catch (kg) | CPE[2] |
|---|---|---|---|---|---|---|
| June 27 | 1 | 1 | 12.5 | 4 | 74 | 56.8 |
| 28 | 2 | 2 | 10 | 4 | 34 | 32.6 |
| 28 T | 3 | 1 | 16 | - | 21 | 12.6 |
| 29 | 4 | 3 | 21.5 | 4 | 63 | 28.1 |
| 29 T | 5 | 2 | 28.5 | - | 5 | 1.7 |
| 30 | 6 | 4 | 19 | 6 | 20 | 10.1 |
| July 1 T | 7 | 3 | 28.5 | - | 81 | 27.3 |
| 2 | 8 | 5 | 22 | 1 | 48 | 21.0 |
| 3 T | 9 | 4 | 22 | - | 13 | 5.7 |
| 5 T | 10 | 5 | 24 | - | 18 | 7.2 |
| 6 | 11 | 6 | 24.5 | 4 | 41 | 16.1 |
| 7 | 12 | 7 | 26.5 | 4 | 34 | 12.3 |
| 7 T | 13 | 6 | 27 | - | 7 | 2.5 |
| 7 T | 14 | 7 | 26 | - | 8 | 3.0 |
| 8 T | 15 | 8 | 51 | - | 38 | 7.2 |
| 8 | 16 | 8 | 51 | 17 | 153 | 28.8 |
| 11 T | 17 | 9 | 20.5 | - | 13 | 6.1 |
| 12 T | 18 | 10 | 22 | - | 34 | 14.9 |
| 12 | 19 | 9 | 22.5 | 2 | 54 | 23.0 |
| 13 T | 20 | 11 | 23 | - | 23 | 9.6 |
| 13 | 21 | 10 | 19 | 13 | 31 | 15.7 |
| 14 T | 22 | 12 | 22.5 | - | 26 | 11.1 |
| 14 | 23 | 11 | 21 | 5 | 80 | 36.6 |
| 15 T | 24 | 13 | 23.5 | - | 21 | 8.6 |
| 15 T | 25 | 14 | 23 | - | 5 | 2.1 |
| 16 T | 26 | 15 | 26.5 | - | 17 | 6.2 |
| 16 T | 27 | 16 | 25.5 | - | 6 | 2.3 |
| 17 | 28 | 12 | 18 | 7 | 20 | 10.7 |
| 18 | 29 | 13 | 40.5 | 5 | 146 | 34.6 |
| 19 T | 30 | 17 | 26 | - | 35 | 12.9 |
| 19 T | 31 | 18 | 27 | - | 32 | 11.4 |
| 20 T | 32 | 19 | - | - | 23 | - |
| 21 | 33 | 14 | 23 | 7 | 109 | 45.5 |
| 21 T | 34 | 20 | 23.5 | - | 33 | 13.5 |
| 25 | 35 | 15 | 26 | 13 | 28 | 10.3 |
| 26 | 36 | 16 | 22.5 | 9 | 91 | 38.8 |
| 29 | 37 | 17 | 19.5 | 6 | 58 | 28.6 |
| 30 | 38 | 18 | 18 | 3 | 210 | 112.0 |
| 31 | 39 | 19 | 16.5 | 8 | 108 | 62.8 |
| Aug. 1 | 40 | 20 | 20.5 | 3 | 28 | 13.1 |
| 5 | 41 | 21 | 18 | 6 | 47 | 25.1 |
| 5 T | 42 | 21 | 25 | - | 17 | 6.5 |
| 6 | 43 | 22 | 22 | 2 | 90 | 39.3 |
| 6 T | 44 | 22 | 12.5 | - | 16 | 12.3 |
| 7 | 45 | 23 | - | - | 35 | - |
| 7 | 46 | 24 | 13 | - | 28 | 20.7 |
| 8 T | 47 | 23 | 24 | - | 16 | 6.4 |
| 8 | 48 | 25 | 20 | 7 | 40 | 19.2 |
| 9 T | 49 | 24 | 23.5 | - | 49 | 20.0 |
| 9 | 50 | 26 | 19 | 4 | 59 | 29.8 |
| 10 T | 51 | 25 | 10 | - | 13 | 12.5 |
| 12 T | 52 | 26 | 19 | - | 68 | 34.4 |
| 12 | 53 | 27 | 21.5 | 9 | 70 | 31.3 |
| 14 T | 54 | 27 | 25 | - | 22 | 8.4 |
| 14 | 55 | 28 | 19 | 3 | 26 | 13.1 |
| 15 T | 56 | 28 | - | - | 36 | - |
| 16 T | 57 | 29 | - | - | 35 | - |
| 16 | 58 | 29 | 19 | 5 | 87 | 44.0 |
| 17 T | 59 | 30 | - | - | 44 | - |

[1] Date only indicates standard gang; T = tagging gang of 1x38 mm and 1x64 mm mesh, each of 47.5 m lengths.

[2] Catch per unit of effort for standard gillnet gang sets (No. fish per 100 m gillnets per 24 h).

Appendix 7. Summary of information on sample dates, sample locations, set duration, depths, and catch per unit effort for experimental gillnets and tagging nets on Snowbird Lake, 1982.

| Date[a] | Set Number | Location Number | Set Duration (h) | Water Depth (m) | Total Catch | CPE[b] |
|---|---|---|---|---|---|---|
| July 5 T | 1 | 1 | 20 | 6 | 8 | 3.8 |
| 6 T | 2 | 1 | 23 | 6 | 15 | 6.3 |
| 7 T | 3 | 2 | 23 | 4 | 13 | 5.4 |
| 8 T | 4 | 3 | 24.5 | 5 | 7 | 2.7 |
| 9 T | 5 | 3 | 22 | 5 | 8 | 3.5 |
| 9 | 6 | 1 | 23.5 | 7 | 26 | 10.6 |
| 10 T | 7 | 6 | 24 | 11 | 19 | 7.6 |
| 10 | 8 | 2 | 23 | 5 | 66 | 27.6 |
| 11 T | 9 | 6 | 19.5 | 4 | 9 | 4.4 |
| 11 | 10 | 3 | 19.5 | 4 | 30 | 14.8 |
| 12 T | 11 | 7 | 23 | 5 | 16 | 6.7 |
| 13 T | 12 | 7 | 23 | 5 | 25 | 10.4 |
| 14 $T_2$ | 13 | 7 | 23 | 5 | 12 | 5.0 |
| 14 T | 14 | 8 | 18.5 | 9 | 3 | 1.6 |
| 15 $T_2$ | 15 | 7 | 24 | 5 | 18 | 7.2 |
| 15 T | 16 | 8 | 24 | 6 | 5 | 2.0 |
| 16 $T_2$ | 17 | 7 | 23.5 | 5 | 16 | 6.5 |
| 16 T | 18 | 8 | 27.5 | 14 | 2 | 0.7 |
| 17 $T_2$ | 19 | 9 | 27 | 9 | 30 | 10.7 |
| 17 T | 20 | 10 | 24.5 | 13 | 14 | 5.5 |
| 18 $T_2$ | 21 | 9 | 25 | 9 | 17 | 6.5 |
| 21 | 22 | 4 | 72 | 6 | 69 | 9.2 |
| 22 | 23 | 5 | 17 | 12 | 25 | 14.1 |
| 23 | 24 | 6 | 22 | 14 | 63 | 27.5 |
| 24 $T_2$ | 25 | 9 | 28.5 | 9 | 19 | 6.4 |
| 25 T | 26 | 9 | 17.5 | 8 | 10 | 5.5 |
| 25 $T_2$ | 27 | 9 | 17 | 10 | 31 | 17.5 |
| 26 T | 28 | 9 | 24 | 14 | 8 | 3.2 |
| 26 $T_2$ | 29 | 9 | 21.5 | 10 | 8 | 3.6 |
| 27 $T_2$ | 30 | 9 | 23 | 10 | 11 | 4.6 |
| 27 T | 31 | 11 | 23.5 | 12 | 11 | 4.5 |
| 28 $T_2$ | 32 | 12 | 23 | 11 | 27 | 11.3 |
| 28 T | 33 | 11 | 23 | 12 | 23 | 9.6 |
| 29 T | 34 | 12 | 23.5 | 10 | 27 | 11.0 |
| 29 $T_2$ | 35 | 11 | 23.5 | 12 | 27 | 11.0 |
| 30 T | 36 | 11 | 22 | 12 | 44 | 19.2 |
| 30 | 37 | 7 | 24 | 7 | 60 | 24.0 |
| 31 T | 38 | 13 | 30 | 7 | 48 | 15.4 |
| Aug. 1 T | 39 | 13 | 17.5 | 7 | 26 | 14.3 |
| 2 T | 40 | 13 | 23 | 7 | 18 | 6.5 |
| 2 | 41 | 8 | 23 | 10 | 22 | 9.2 |
| 3 T | 42 | 13 | 23.5 | 7 | 26 | 10.6 |
| 4 | 43 | 9 | 41.5 | 4 | 28 | 6.5 |
| 6 T | 44 | 14 | 23 | 5 | 16 | 6.7 |
| 6 $T_3$ | 45 | 14 | 23 | 3 | 10 | 4.2 |
| 7 $T_3$ | 46 | 10 | 22 | 9 | 14 | 6.1 |
| 7 T | 47 | 10 | 22 | 12 | 40 | 17.5 |
| 8 T | 48 | 10 | 21 | 10 | 28 | 12.8 |
| 8 | 49 | 10 | 19.5 | 5 | 89 | 43.8 |
| 9 T | 50 | 10 | 23.5 | 5 | 52 | 21.2 |
| 9 | 51 | 11 | 20.5 | 12 | 74 | 34.7 |
| 10 T | 52 | 15 | 23 | 4 | 21 | 8.8 |
| 10 | 53 | 12 | 17.5 | 6 | 27 | 14.8 |
| 11 T | 54 | 15 | 23.5 | 6 | 20 | 8.2 |
| 11 | 55 | 13 | 22 | 13 | 48 | 21.0 |
| 12 T | 56 | 15 | 23.5 | 6 | 20 | 8.2 |
| 13 T | 57 | 11 | 22 | 9 | 41 | 17.9 |
| 13 $T_2$ | 58 | 7 | 22 | 5 | 40 | 17.5 |
| 14 T | 59 | 9 | 20 | 11 | 40 | 19.2 |
| 14 $T_3$ | 60 | 16 | 23 | 5 | 42 | 17.5 |

[a]Date only indicates standard gang; T = tagging gang of 1 x 38 mm and 2 x 64 mm mesh. $T_2$ = tagging gang of 1 x 38 mm and 1 x 64 mm mesh, each net 47.5 m long.

[b]Catch per unit effort for standard gillnet sets (No. fish per 100 m of gillnet per 24 h).